NOISE IMPACT STUDY
3080 BOSTWICK ROAD (3010 YORKVILLE STREET)
(PHASE 3)
12 STOREY MIXED-USE APARTMENT BUILDING
CITY OF LONDON

FOR

731675 ONTARIO LIMITED c/o YORK DEVELOPMENTS

PREPARED BY

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SEPTEMBER 21, 2023

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1.0 INTRODUCTION

At the request of 731675 Ontario Limited c/o York Developments, J.E. COULTER ASSOCIATES LIMITED has prepared a Noise Impact Study for the proposed 12-storey, 120 unit mixed-use building at 3080 Bostwick Road (3010 Yorkville Street) in London, Ontario (see Appendix A, Figure 1). The study's objectives include the determination of the extent of noise control measures such as ventilation, recommendations for appropriate warning clauses, and the provision of examples of required building component construction as a result of the various transportation noise sources in the area.

Analysis of potential noise impact on this building has been performed using road data for Southdale Road West and Bostwick Road. Predicted sound levels are compared to the Ministry of the Environment, Conservation and Parks (MECP) noise criteria, in order to establish the required noise control measures as applicable.

2.0 SITE DESCRIPTION

The proposed site is to be situated along the southeast corner of Yorkville Street and Southdale Road West (see Appendix A, Figure 2). The development includes a 12-storey (45m high) mixed-use building with grade level commercial and a 12th level common area (see Appendix A, Figure 7). The development includes four levels of parking (two below grade and two above grade). Floor plans and Elevations are provided in Appendix A, Figures 3 to 6 and 8 and 9.

The major transportation source affecting this site is Southdale Road West. The north façade is set back 30.7m from the centreline of Southdale Road West.

3.0 CRITERIA FOR ACCEPTABLE SOUND LEVELS

3.1 Transportation Sources

The Ministry of the Environment, Conservation and Parks (MECP) has set acceptable indoor and outdoor noise level limits for residential uses due to roadway traffic noise. These sound level limits, contained in the Ministry's publication *NPC-300*, are summarized as follows:

Table 1

Sound Level Limits – Roadways (Indoor Limits)

Type of Space	Time Period	Road L_{eq} (dBA)
Living/dining, den areas of residences, hospitals, nursing homes, schools, daycare centres, etc.	07:00–23:00	45
Living/dining, den areas of residences, hospitals, nursing homes, etc. (except schools or daycare centres)	23:00–07:00	45
Sleeping quarters	07:00–23:00	45
Sleeping quarters	23:00–07:00	40

Table 2

Sound Level Limits – Roadways (Outdoor Limits)

Type of Space	Time Period	Road L_{eq} (dBA)
Outdoor living areas	07:00–23:00	55
Outside bedroom window	23:00–07:00	50
Outside living room window	07:00–23:00	55

Notes:

1. The values noted above represent the road criterion outlined by MECP.

Air conditioning is required for units where the nighttime sound level at bedroom windows is 60 dB L_{eq} or greater or the daytime levels are 65 dB L_{eq} or greater. Forced air heating with provision for central air conditioning is required when nighttime outdoor sound levels are above 50 and below 60 dB L_{eq}, or daytime levels between 56 and 65 dB L_{eq}.

<u>Outdoor Living Areas</u>

The MECP's noise criterion for new residential developments is 55 dB L_{eq} daytime in the outdoor amenity areas. If the 16-Hour Equivalent Sound Level, L_{eq} (16) in the OLA is greater than 55 dB L_{eq} and less than or equal to 60 dBA, noise control measures may be applied to reduce the sound level to 55 dBA. If measures are not provided, prospective purchasers or tenants should be informed of potential noise problems by a warning clause Type A. If the 16-Hour Equivalent Sound Level, L_{eq} (16), in the OLA is greater than 60 dBA, noise control measures should be implemented to reduce the level to 55 dBA. Only in cases where the required noise control measures are not feasible for technical, economic or administrative reasons would an excess above the limit (55 dBA) be acceptable with a warning clause Type B. In the above situations, any excess above the limit will not be acceptable if it exceeds 55 dBA.

As noted in *NPC-300*:

"Outdoor living area (OLA)" (applies to impact assessments of transportation sources) means that part of a noise sensitive land use that is:

a. intended and designed for the quiet enjoyment of the outdoor environment;
b. readily accessible from the building.

The OLA includes:

a. backyards, front yards, gardens, terraces or patios;
b. balconies and elevated terraces (e.g., rooftops), with a minimum depth of 4 metres, that are not enclosed, provided they are the only outdoor living area (OLA) for the occupant; or
c. common outdoor living areas (OLAs) associated with high-rise multi-unit buildings.

The following considerations apply to OLAs:

1. For the purposes of noise impact assessment in an OLA at grade, the point of assessment is typically:

    a. 3 metres from the building façade;
    b. 1.5 metres above grade or floor level; and
    c. aligned with the midpoint of the subject façade.

2. For elevated OLAs or those at grade that are less than 6 metres in depth, the point of assessment is in the middle of the OLA at 1.5 metres above grade or floor level.

3. The noise impact assessment at an OLA excludes the effect of sound reflection from the façade. In general, the point of assessment in the OLA is a point used for prediction (including extrapolation), rather than measurement, of sound levels.

All elevated private terraces proposed for this building are less than 4m in depth and do not need to be reviewed for noise. The 12th level common outdoor area is the only noise sensitrive amenity area on the site (see Appendix A, Figure 7).

3.2 Stationary Sources

MECP recommends the guidelines found in *NPC-300* as the current noise criteria for stationary sources. The MECP noise guideline basically states that the average sound level of the stationary source (rooftop mechanical ventilation equipment) should not exceed the higher of the average sound level of the roadway traffic during the same hourly period or MECP's exclusion limits noted below. The noise criteria used in this study are as follows (see Table 3, below).

This study has been based on the sound level criteria for a Class 1 Area (Urban).

Table 3

Exclusion Limit Values of One-Hour Equivalent Sound Level (L_{eq}, dBA)
Plane-of-Window of Noise Sensitive Spaces

Time of Day	Class 1 Area	Class 2 Area	Class 3 Area	Class 4 Area
07:00–19:00	**50**	50	45	55
19:00–23:00	**50**	50	40	60
23:00–07:00	**45**	45	40	55

4.0 IDENTIFICATION OF TRANSPORTATION SOURCES

The following table summarizes the ultimate and existing road traffic volume on Southdale Road West. The data was confirmed by the City of London's Transportation Department.

Table 4

Road Traffic Data

Road Traffic Data	Southdale Road West
Projected AADT (2033)	32,913
Existing AADT	27,000 (2023)
% Medium Trucks	1.35%
% Heavy Trucks	3.15%
Speed Limit	40 km/h
Road Gradient	<1%
Number of Lanes	4

Notes:

1. It has been assumed the truck split is 30%/70% between medium and heavy trucks.
2. According to the City of London's Traffic Department, the Southdale Road widening wasn't considered in the 18,000 vehicle data. The City has recommended assuming the traffic with the widening in place would be 1.5 times the current volume.
3. For the year 2033 (10-years), the traffic has been projected at a rate of 2% per annum (compounded).

5.0 TRANSPORTATION SOUND LEVEL PREDICTIONS

The transportation-related sound levels have been calculated at the various façades exposed to Southdale Road West.

Sound level calculations have been performed using MECP's *STAMSON Version 5.04*. These sound levels are based on a minimum 10-year traffic projection for Southdale Road West. Sample predictions are given in Appendix B. The results of these predictions are summarized for daytime and nighttime in Table 5, below.

Table 5

Projected Unmitigated Sound Levels

Projected Unmitigated Sound Levels	**L_{eq} Daytime Sound Level at Exterior Façade (Top Floor)**	**L_{eq} Nighttime Sound Level at Exterior Façade (Top Floor)**
Façade	**Southdale**	**Southdale**
Location 1 – N/E Façade	68	58
Location 2 – N/W Façade	68	58
Location 3 – S/E Façade	63	52
Location 4 – S/W Façade	63	52
Location 5 – Terrace (Level 12, West side)	45	--

The sound levels created by Southdale Road West will generate a moderate noise impact at the various façades of the building. Noise control measures (upgraded glazing, ventilation, and warning clauses) will be required to meet MECP's criteria. The measures are typical of those required for new high-rise buildings in the vicinity of a major arterial road in London.

The 12th level common outdoor amenity meets MECP's noise criteria without the need for any additional noise control measures. The standard 1.1m high parapet (for safety) is more than adequate.

6.0 VENTILATION AND WARNING CLAUSE REQUIREMENTS

As the sound levels at this site exceed 65 dB L_{eq} and/or 60 dB L_{eq} nighttime, central air conditioning is required prior to occupancys. Since the building will incorporate a central cooling system in any case, this not an onerous requirement.

A warning clause is required for all residential units warning prospective owners of the noise excess above MECP's noise criteria (see Warning Clauses A and D, Appendix C).

7.0 FAÇADE COMPONENTS

Tables 5 and 6 summarize the glazing requirements based on the proposed suite layouts and elevations. To control the interior sound level criteria in the bedrooms and living/dining rooms, due to the roadway sound levels, the following measures are recommended:

Table 6

Bedroom Window Preliminary Requirements – All Façades

Operable Window Glazing	Operable Window STC (Min.)	Fixed Window Glazing	Fixed Window STC (Min.)
6(13)6	27	6(13)6	30

Table 7

Living/Dining Room Window Preliminary Requirement – All Façades

Operable Window Glazing/Door	Operable Window STC (Min.)	Fixed Window Glazing	Fixed Window STC (Min.)
6(13)6	27	6(13)6	30

Notes (Tables 6 and 7):

1. STC refers to Sound Transmission Class.
2. 6(13)6 denotes 6mm glass, 13mm air space, 6mm glass. This is the typical window configuratioin used in a high-rise apartment buildings. Window systems with larger air spaces and/or thicker glazing may be used where appropriate.
3. The air gap indicated in the above table represents the minimum requirement. Increasing the air space between the panes of glass and/or glazing thickness will improve the STC rating.
4. All sliding patio doors are to be fully weather-stripped and are assumed to be rated at STC 32 (minimum).
5. The window suppliers are to provide Sound Transmission Class (STC) test data to confirm ratings of their window assemblies.

8.0 STATIONARY NOISE REVIEW

8.1 Off-Site Stationary Sources

J.E. COULTER ASSOCIATES LIMITED has conducted a review of the existing stationary noise sources in the area (commercial and residential uses) that may potentially impact this proposed development (see Appendix A, Figure 11). These include the following:

a. Rooftop HVAC – Startech Community Centre, 501 Southdale Road West
b. Rooftop HVAC – Dental Office, 151 Pine Valley Blvd.
c. Rooftop HVAC – Restaurant, 141 Pine Valley Blvd.
d. Rooftop HVAC – Home Depot, 3035 Wonderland Road South
e. Rooftop HVAC – Westwood Centre, 3165 Wonderland Road South.

MECP's noise criteria (*NPC-300*) are based on the lowest ambient sound levels generated by local traffic when the above uses are active. During the day (0700–1900 hours) and nighttime (2300–0700 hours), the lowest criterion sound levels over a one-hour period are noted below. The ambient sound levels are based on the year 2025 (estimated time of occupancy). The point of reception is taken to be at the exterior of the building façade. The sound levels were calculated on an hourly basis.

Three points of reception were used to calculate the off-site sound levels at the proposed mixed use development; they are:

1. NE Façade
2. SE Façade
3. SW Façade.

Table 8 summarizes the quietest ambient sound levels based on hourly road traffic (approximate time of occupancy) at the points of reception noted as above.

Table 8

Noise Criteria (1 Hour L_{eq}) – Class 1 Area

Time Period (Quietest Hourly L_{eq} Sound Level)	R1	R2	R3	R4	R5
0700–2300 Hours	50	50	59	56	50
2300–0700 Hours	45	45	51	48	45

8.2 Rooftop Mechanical Noise

For this preliminary review, during the daytime and evening, it has been assumed all HVAC units are running at a 100% duty cycle. At night, a 50% duty cycle has been assumed.

Calculations of the estimated sound levels were conducted to determine if the combined operation of all stationary sources exceed the MECP's exclusion limits during the day/evening (0700–2300) and nighttime (2300–0700) hours. Table 9, below, outlines the estimated sound power levels for the various stationary sources identified in this review.

Table 9

Noise Source Table

Source Description	Sound Power Level (dB PWLA)	Source Location[1]	Sound Characteristics[2]	Noise Control Measures[3]
Rooftop HVAC – Startech Community Centre	82–93	O	S	U
Rooftop HVAC – Dental Office	82	O	S	U
Rooftop HVAC – Palasad Restaurant	82–89	O	S	U
Rooftop HVAC – Home Depot	92	O	S	U
Home Depot – Unloading	106	O	I	U
Rooftop HVAC – Box Store	82–94	O	S	U
Rooftop Cooling Tower – Apt to south	99	O	S	U
Rooftop MUA – Apt to south	70	O	S	U
Rooftop Emergency Generator – Apt to south	98	O	S	S

Notes:

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

[2] Sound Characteristics:
- S: Steady
- Q: Quasi-Steady Impulsive (+10 dB is included in PWL value)
- I: Impulsive
- A: Buzzing
- T: Tonal (+5 dB included in PWL value)
- C: Cyclic

[3] Noise Control Measures
- S: Silencer, acoustic louvre, muffler
- A: Acoustic lining, plenum
- A: Barrier, berm, screening
- L: Lagging
- E: Acoustic Enclosure
- O: Other
- U: Uncontrolled

The following table summarizes the projected sound levels from the various commercial uses that may impact the proposed residential development during the daytime based on the points of reception noted above.

Table 10

Projected Total Sound Level (dB L_{eq}) – Stationary Sources – Daytime & Evening (0700–2300 Hours)

Sources	R1	R2	R3	R4	R5
Rooftop HVAC – Startech Community Centre	33.4	21.1	46.8	41.6	44.7
Rooftop HVAC – Home Depot	44.3	43.6	36.6	40.0	36.6
Rooftop HVAC – Box Store	40.4	39.7	31.8	31.0	39.8
Rooftop HVAC – Restaurant	30.9	29.2	16.9	13.7	18.4
Rooftop HVAC – Dental Office	25.7	22.7	7.8	6.8	11.4
Rooftop HVAC – Apt Bldg	42.5	33.9	31.2	21.7	42.8
TOTAL SOUND LEVEL (dB L_{eq})	**48**	**46**	**47**	**44**	**48**
Noise Criteria (dB L_{eq})	50	50	59	56	50
Noise Impact (dB)	**- 2**	**- 4**	**-12**	**-12**	**- 2**
Meets Noise Criteria	**YES**	**YES**	**YES**	**YES**	**YES**

Note: Noise Impact values less than 0 indicate no impact.

As summarized in Table 10, above, the sound level from the combined operation of all stationary sources are expected to be 2 to 12 dB below the quietest ambient traffic noise during the daytime, without noise control measures.

During the nighttime, the only stationary sources operating are rooftop mechanical equipment. Based on the equipment operating at 50% duty cycle during the nighttime, the following table outlines the sound levels expected.

Table 11

Projected Total Sound Level (dB L_{eq}) – Stationary Sources – Nighttime (2300–0700 Hours)

Sources	R1	R2	R3	R4	R5
Rooftop HVAC – Startech Community Centre	30.4	18.1	43.8	38.6	41.7
Rooftop HVAC – Home Depot	41.3	40.6	33.6	37.0	33.6
Rooftop HVAC – Box Store	37.4	36.7	28.8	28.0	36.8
Rooftop HVAC – Restaurant	27.9	26.2	13.9	10.7	15.4
Rooftop HVAC – Dental Office	22.7	19.7	4.8	3.8	8.4
Rooftop HVAC – Apt Bldg	39.5	30.9	28.2	18.7	39.8
TOTAL SOUND LEVEL (dB L_{eq})	45	43	44	41	45
Noise Criteria (dB L_{eq})	45	45	51	48	45
Noise Impact (dB)	**- 2**	**- 4**	**- 3**	**- 6**	**- 2**
Meets Noise Criteria	**YES**	**YES**	**YES**	**YES**	**YES**

As summarized in Table 11, above, the nighttime sound levels from the combined operation of all stationary noise sources (rooftop ventilation equipment) are expected to be up to 6 dB below the ambient traffic noise at night without the use of additional noise control measures.

As a result, MECP's *NPC-300* noise criteria for off-site stationary noise sources have been met and no further measures are needed.

8.3 Impulse Noise Sources

Impulse noise is generally created where banging occurs from unloading or loading of goods from trucks, in particular, tractor trailers (the dolly crossing over the metal plate at the rear of the skid and skids contacting the shell of the trucks). There are 6 receiving docks identified at the commercial plaza to the east.

Based on site measurements of similar facilities and in-house data, Table 12 summarize the anticipated impulse sound levels from unloading of goods from Westwood Centre (see Appendix A, Figure 12).

Table 12

Impulse Sources Impact (Unmitigated) – Daytime (0700–2300 Hours), Class 1

Source ID	R1	R2	R3	R4	R5
Commerical Plaza	49	49	36	35	48
Noise Criteria, Quietest Hour (dB L_{eq}), Class 1	50	50	50	50	50
Noise Impact (dB), Class 1	-1	-1	-14	-15	-15
Meets Criteria	**YES**	**YES**	**YES**	**YES**	**YES**

During the daytime (0700–2300 hours) when Westwood Centre is open, the unloading of goods does not generate any noise impacts at Receptors R1 to R5. As a result, there are no noise control measures required. It is recommended, however, that a warning clause be provided notifying future occupants of the presense of the commercial uses to the east (see Appendix C, Warnming Clause E).

8.4 On-Site Stationary Sources

At this time, there are no details regarding the proposed mechanical ventilation systems, parking garage exhaust fans and emergency generator. It is expected to be similar to that used in the initial phase (existing apartment to the south). Based on the mechanical system of the other apartment building to the south (Phase 1), the sound levels are expected to be more than 15 dB below the MECP‘s exlusion limits during the day (50 dB) and night (45 dB). Once details are known, the acoustic consultant should review the specifications and, where required, recommend noise control measures to meet MECP’s noise criteria.

9.0 CONCLUSIONS

The analysis indicates the combined effect of the nearby transportation sources creates a moderate noise impact at the exterior façades. Standard noise control measures, including central air conditioning and potential glazing upgrades and warning clauses, have been recommended because of the noise excess.

A review of all stationary sources in the area indicated that no noise impact was identified, meeting MECP’s *NPC-300* noise criteria (Class 1).

10.0 RECOMMENDATIONS

To meet the requirements of the City of London and MECP, the following recommendations are proposed:

1. It is recommended all dwelling units in this building incorporate air conditioning prior to occupancy. The proponent has indicated this building will be centrally air conditioned in any case, meeting the requirements.

2. All residential units will require Warning Clauses A and D to be incorporated into the *Agreement of Purchase and Sale* notifying owners of the excess above the MECP's noise criteria (see Appendix C).

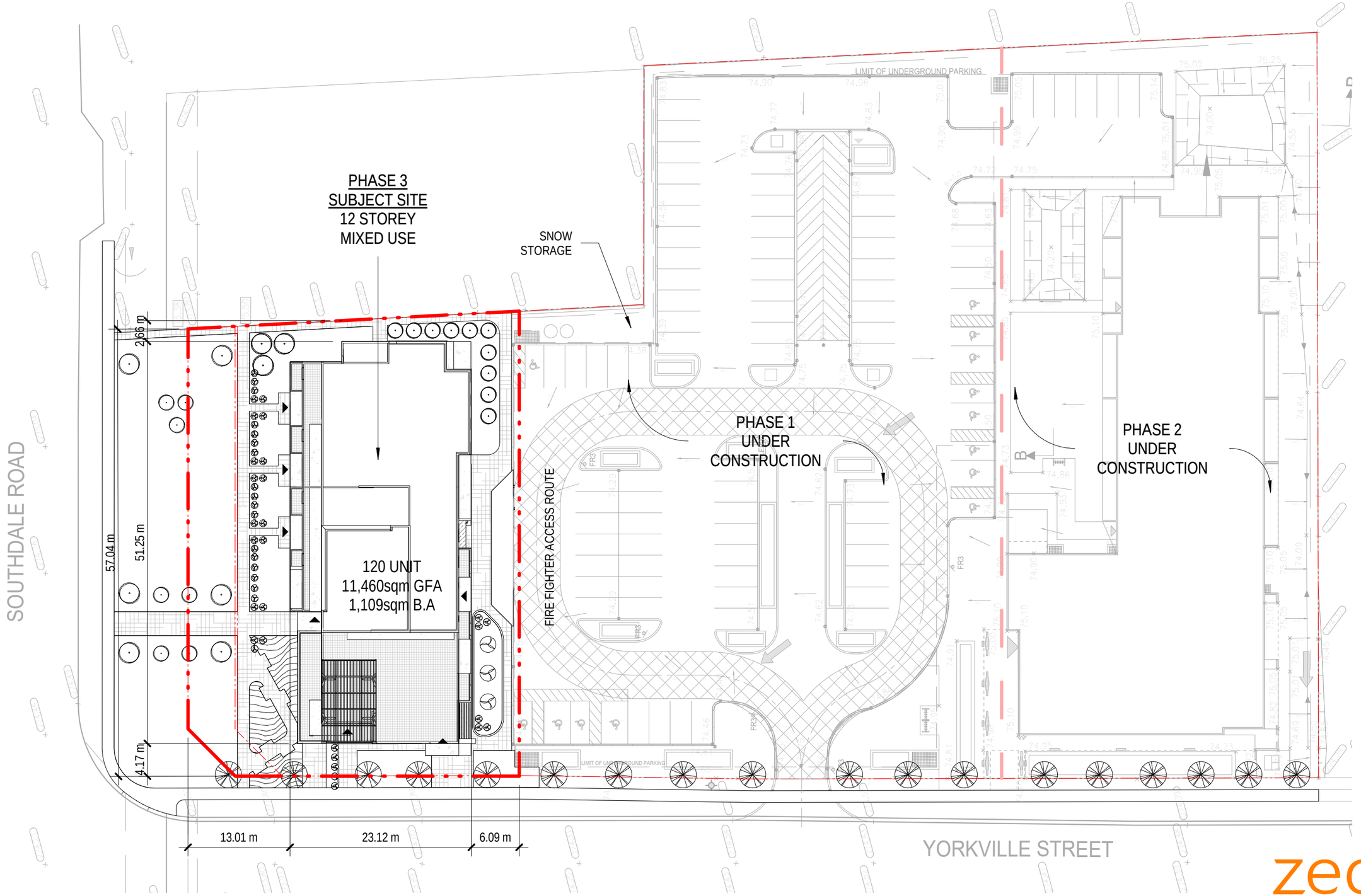
3. The common outdoor amenity area was found not to require any additional noise control measures. A solid 1.1m high parapet (as required for safety) will be satisfactory for the 12th Level OLA.

4. It is recommended all units incorporate the minimum glazing noted in Tables 6 to 8, based on the current architectural plans. The calculations assumed the exterior wall is acoustically equivalent to precast or concrete panels. Upgrades to the glazing from the minimum OBC requirements are necessary mainly for those bedroom and living/dining rooms along the north portion of the building closest to Southdale Road West. Most façades are expected to be construvcted with 6mm double glazing with a 13mm air space between the panes. This is a standard double glazed commercial window. The window suppliers are to provide Sound Transmission Class (STC) test data to confirm ratings of their window assemblies.

5. During the daytime (0700–2300 hours) and nighttime (2300–0700 hours), the unloading of goods at the Westwood Centre does not generate any noise impacts at Receptors R1 to R5. As a result, there are no noise control measures required. It is recommended, however, that a warning clause be provided notifying future occupants of the presence of the commercial uses to the east (see Appendix C, Warning Clause E).

/hp/pt

APPENDIX A: FIGURES



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20-034	3080 Bostwick Site 5 - Ph3	3010 Yorkville, London, Ont.	Site Plan	2021-09-07	SD1.1

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Z-627 maitland street london ontario N5Y 2V7 519 518 9333
www.zeddarchitecture.com info@zeddarchitecture.com

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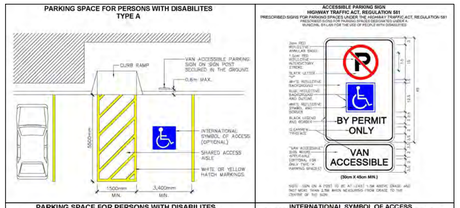
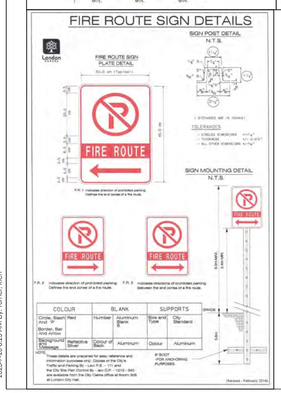
FIGURE 1

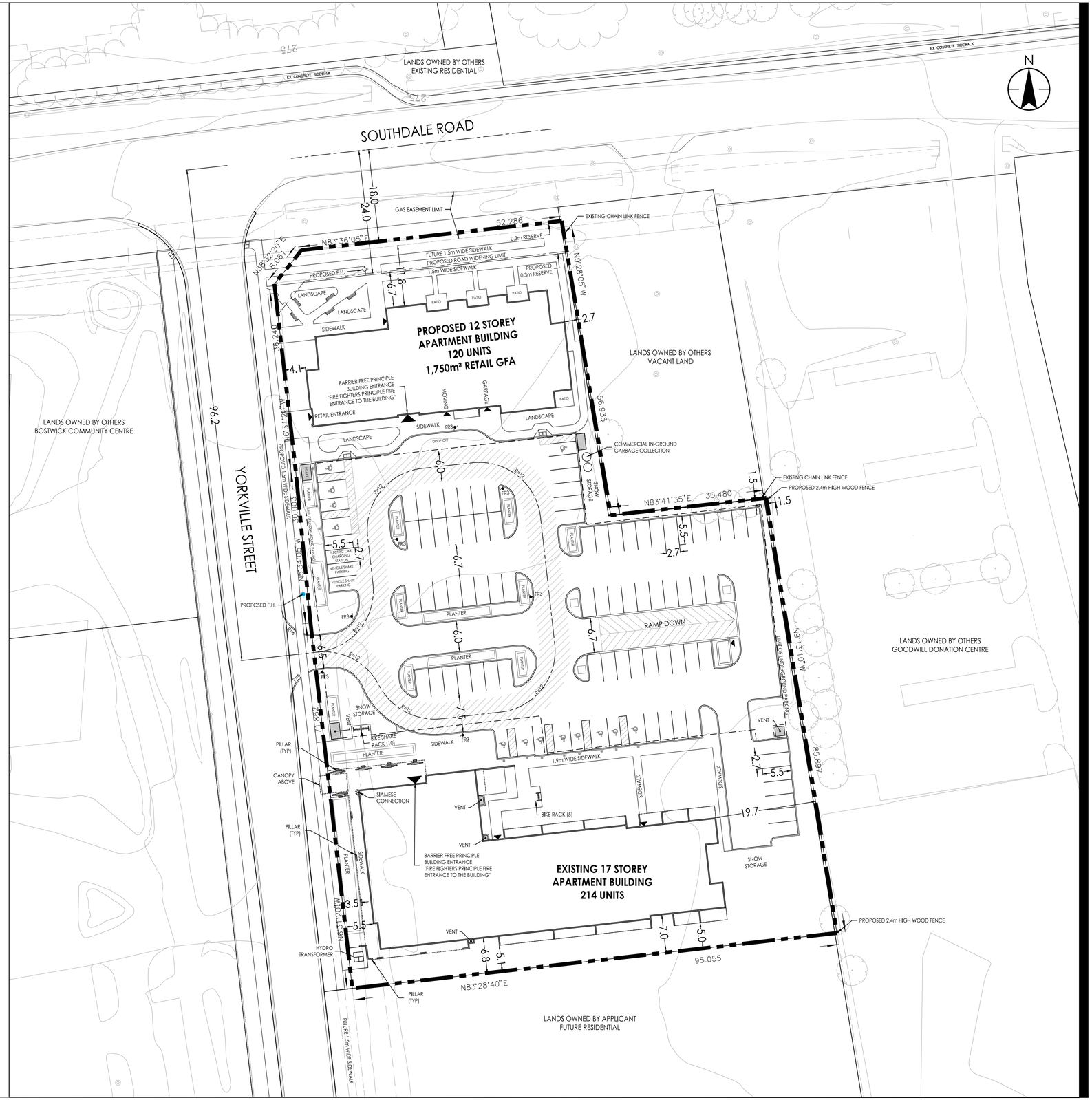
Design Data

Zone:	R9-7, CC4(5), RO2(32), B-57, H40	
Proposed Use:	High Density Residential & Commercial	
Units:	334 Residential & 18 Commercial = 352 Total	
Site Area (m²)	11,373.0 m² / 1.137 ha	
Regulation	**Required**	**Proposed**
Lot Area (m²)	1,000 m²	11,310.9 m²
Lot Frontage (m)	30.0 m	52.28 m
Front Yard Depth (m)	13.0 m	6.7 m **
Interior Side Yard Depth (m)	15.0 m	2.7 m **
Exterior Side Yard Depth (m)	3.5 m	4.1 m
Rear Yard Depth (m)	5.0 m	5.0 m
Landscaped Open Space (%)	30 %	39.0 %
Lot Coverage (%)	30.0 %	22.4 %
Number of dwelling units	208	352 **
Density - Units per hectare	210 uph *	310 uph **
Parking	472 spaces for all uses *	94 surface 269 underground 363 total **
Existing Apartment Building Specific - 17 Storey Apartment Building		
Height (m)	68.0 m	59.1 m
Number of dwelling units		214
Unit Breakdown	Bachelor 1 Bedroom 2 Bedroom 3 Bedroom 20% of units will be accessible units Total =	1 unit 93 units 112 units 8 units 214 units
Bicycle Parking	Secured parking - 156 Shared parking - 10 Short-term parking - 8 Total = 174	156 10 15 Total = 181
Proposed Apartment Building Specific - 12 Storey Apartment Building		
Height (m)	68.0 m	43.95 m
Number of dwelling units		120
Unit Breakdown	1 Bedroom 2 Bedroom Total =	91 units 29 units 120 units
Bicycle Parking	Secured parking - 108 Short-term parking - 12 Total = 120	108 12 Total = 120

*PERMISSIONS GRANTED PER A.087/19
**SPECIAL PROVISIONS REQUIRED
***GARBAGE FOR APARTMENT BUILDING WILL BE STORED INTERNALLY WITH PRIVATE PICKUP







Stantec
600-171 Queens Avenue
London ON N6A 5J7
Tel. 519-645-2007
www.stantec.com

Liability Note

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.

Key Plan

Legend

- SITE BOUNDARY
- ACCESSIBLE PARKING SIGN
- FR3 FIRE ROUTE SIGN
- PRINCIPLE BUILDING ACCESS
- SECONDARY BUILDING ACCESS
- PROPOSED FIRE HYDRANT
- HYDRO TRANSFORMER

6.	PER UPDATED UNIT COUNT	RT	DH	22.09.30
5.	PER REVISED COMMERCIAL/OFFICE BUILDING	RT	DH	20.06.22
4.	PER CITY COMMENTS	DRR	DH	19.10.04
3.	PER REQUIRED ROAD WIDENING	RT	DH	19.09.13
2.	PER CITY COMMENTS	RT	DH	19.08.20
1.	PER CITY COMMENTS	RT	DH	19.06.26
Revision		By	Appd.	YY.MM.DD
7.	FOR SITE PLAN APPROVAL	RT	DH	22.09.30
6.	FOR SITE PLAN APPROVAL	RT	DH	20.06.22
5.	FOR SITE PLAN APPROVAL	DRR	DH	19.10.04
4.	FOR SITE PLAN APPROVAL	RT	DH	19.09.13
3.	FOR SITE PLAN APPROVAL	RT	DH	19.08.20
2.	FOR SITE PLAN APPROVAL	RT	DH	19.06.26
1.	FOR SITE PLAN APPROVAL	RT	DH	19.04.26
Issued		By	Appd.	YY.MM.DD

File Name: 161413832_r-sp	RT	DH	RT	23.07.19
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

Client/Project
YORK DEVELOPMENTS

3080 BOSTWICK ROAD - SITE 5

London, ON Canada

Title
SITE PLAN

Project No. 161413832	Scale HORZ – 1 : 400 (4 0 8m)	
Drawing No. 1	Sheet 1 of 1	Revision 6

FIGURE 2

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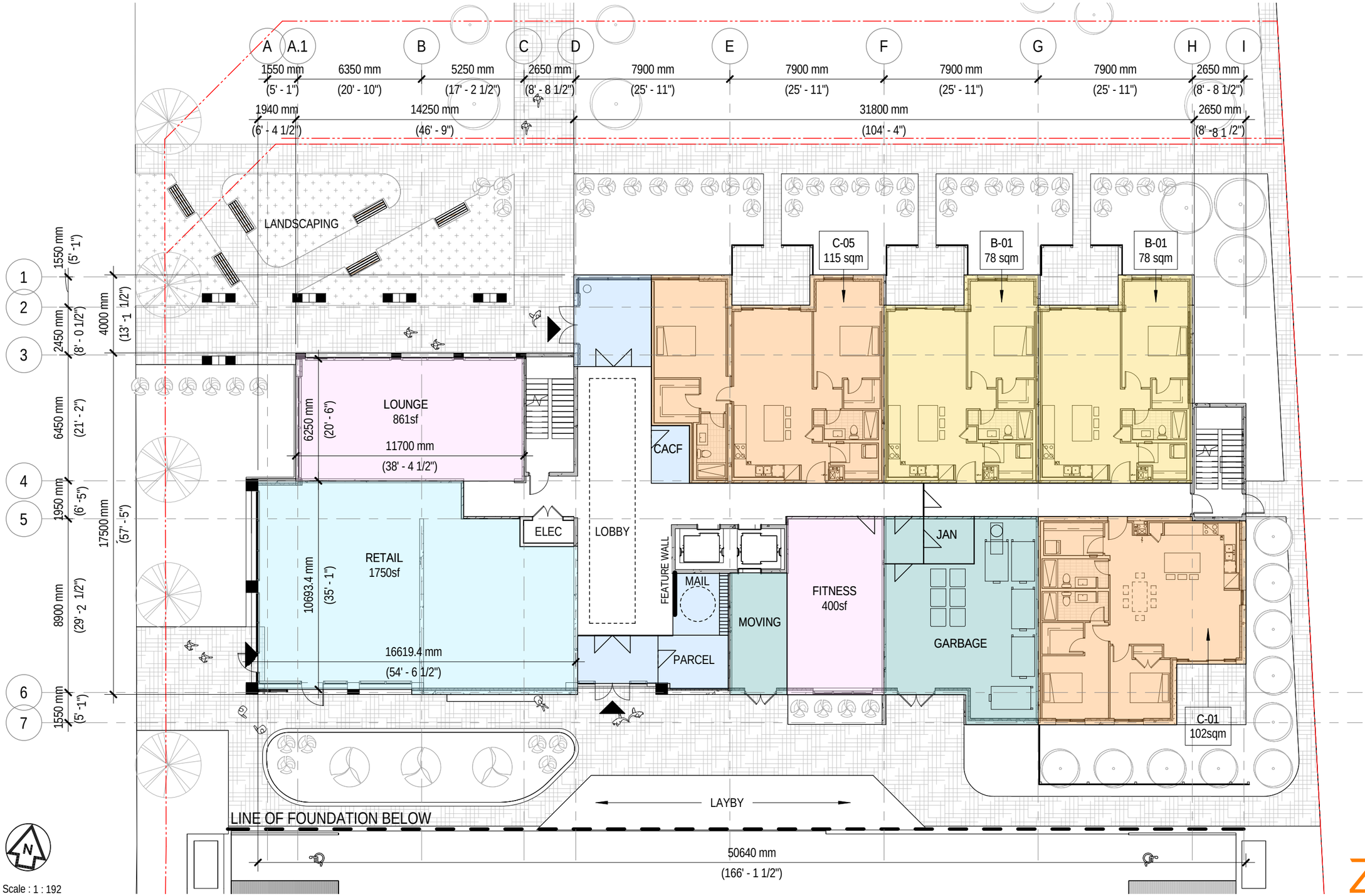

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LEVEL 1
4 UNITS
985 sqm

20-034	3080 Bostwick Site 5 - Ph3	3010 Yorkville, London, Ont.	Floor Plan - Level 1	2023-06-22	SD2.2

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Z-627 maitland street london ontario N 5Y 2V7 51 9 518 9333
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FIGURE 3

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LEVEL 2-4
11 UNITS
11,367 sqft
1,056 sqm

20-034	3080 Bostwick Site 5 - Ph3	3010 Yorkville, London, Ont.	Floor Plan - Level 2-4	2021-09-07	SD2.3

zedd
ARCHITECTURE
Z-627 maitland street london ontario N5Y 2V7 519 518 9333
www.zeddarchitecture.com info@zeddarchitecture.com

2021-09-07 2:19:05 PM File: Z:\Projects\2020\20-034 - York - Bostwick Site 5 rez2\02 Drawings\20-034 - York - Bostwick Site 5 Rez2_SD.rvt

FIGURE 4

Scale : 1 : 192

LEVEL 5
11 UNITS
10,258 sqft
953 sqm

20-034	3080 Bostwick Site 5 - Ph3	3010 Yorkville, London, Ont.	Floor Plan - Level 5	2021-09-07	SD2.4

zedd
ARCHITECTURE
Z-627 maitland street london ontario N5Y 2V7 519 518 9333
www.zeddarchitecture.com info@zeddarchitecture.com

2021-09-07 2:19:25 PM File: Z:\Projects\2020\20-034 - York - Bostwick Site 5 rez2\02 Drawings\20-034 - York - Bostwick Site 5 Rez2_SD.rvt

FIGURE 5

Scale : 1 : 192

LEVEL 6-11
11 UNITS
10,258 sqft
953 sqm

20-034	3080 Bostwick Site 5 - Ph3	3010 Yorkville, London, Ont.	Floor Plan - Level 6-11	2021-09-07	SD2.5

zedd ARCHITECTURE
Z-627 maitland street london ontario N5Y 2V7 519 518 9333
www.zeddarchitecture.com info@zeddarchitecture.com

2021-09-07 2:19:45 PM File: Z:\Projects\2020\20-034 - York - Bostwick Site 5 rez\202 Drawings\20-034 - York - Bostwick Site 5 Rez2_SD.rvt

FIGURE 6

Scale : 1 : 192

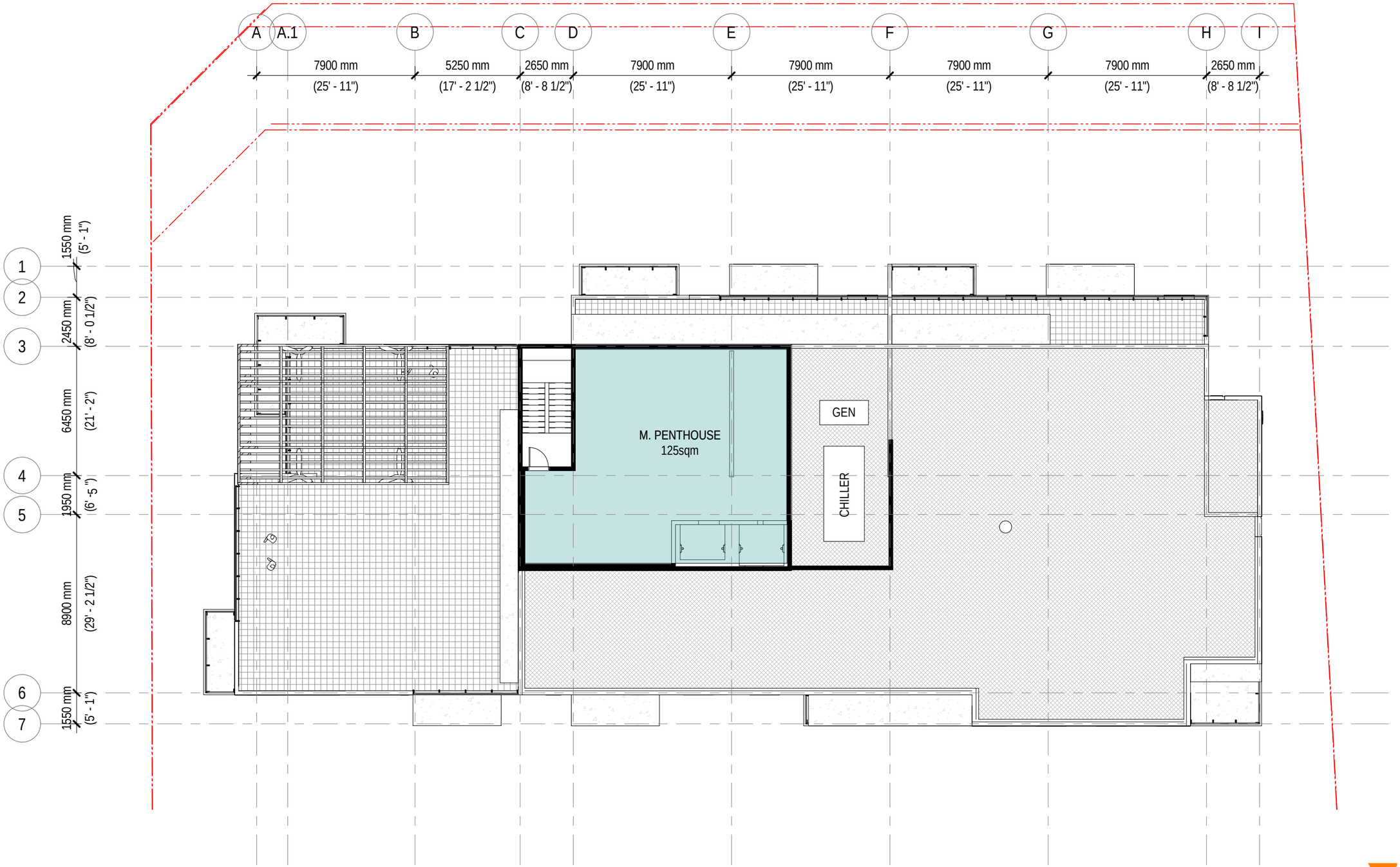
LEVEL 12
6 UNITS
7,000 sqft
650 sqm

20-034	3080 Bostwick Site 5 - Ph3	3010 Yorkville, London, Ont.	Floor Plan - Level 12	2021-09-07	SD2.6

zedd
ARCHITECTURE
Z-627 maitland street london ontario N5Y 2V7 519 518 9333
www.zeddarchitecture.com info@zeddarchitecture.com

2021-09-07 2:20:02 PM File: Z:\Projects\2020\20-034 - York - Bostwick Site 5 rez\202 Drawings\20-034 - York - Bostwick Site 5 Rez2_SD.rvt

FIGURE 7



Scale : 1 : 192

20-034	3080 Bostwick Site 5 - Ph3	3010 Yorkville, London, Ont.	Floor Plan - Mech Penthouse	2021-09-07	SD2.7

zedd
ARCHITECTURE
Z-627 maitland street london ontario N5Y 2V7 519 518 9333
www.zeddarchitecture.com info@zeddarchitecture.com

2021-09-07 2:20:11 PM
File: Z:\Projects\2020\20-034 - York - Bostwick Site 5 rez\202 Drawings\20-034 - York - Bostwick Site 5 Rez2_SD.rvt

FIGURE 8

Scale : 1 : 250

20-034 | 3080 Bostwick Site 5 - Ph3 | 3 Storey Podium Elevations Part 1 | 2021-09-07 | SD4.0

zedd ARCHITECTURE
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www.zeddarchitecture.com info@zeddarchitecture.com

2021-09-07 2:20:52 PM

File: Z:\Projects\2020\20-034 - York - Bostwick Site 5 rez\202 Drawings\20-034 - York - Bostwick Site 5 Rez2_SD.rvt

FIGURE 9

Scale : 1 : 250

20-034

2021-09-07 2:21:02 PM

File: Z:\Projects\2020\20-034 - York - Bostwick Site 5 rez\202 Drawings\20-034 - York - Bostwick Site 5 Rez2_SD.rvt

zedd
ARCHITECTURE
Z-627 maitland street london ontario N5Y 2V7 519 518 9333
www.zeddarchitecture.com info@zeddarchitecture.com

FIGURE 10

17476400 17476450 17476500 17476550 17476600 17476650 17476700 17476750 17476800 17476850 17476900 17476950

4754300 4754250 4754200 4754150 4754100 4754050 4754000 4753950 4753900 4753850 4753800 4753750 4753700 4753650 4753600 4753550 4753500 4753450 4753400 4753350

PALASAD REST

DENTAL OFFICE

STARTECH COMMUNITY CTR

HOME DEPOT

BIGBOX MALL

EX. APT

MUA -->

<-- GEN SET

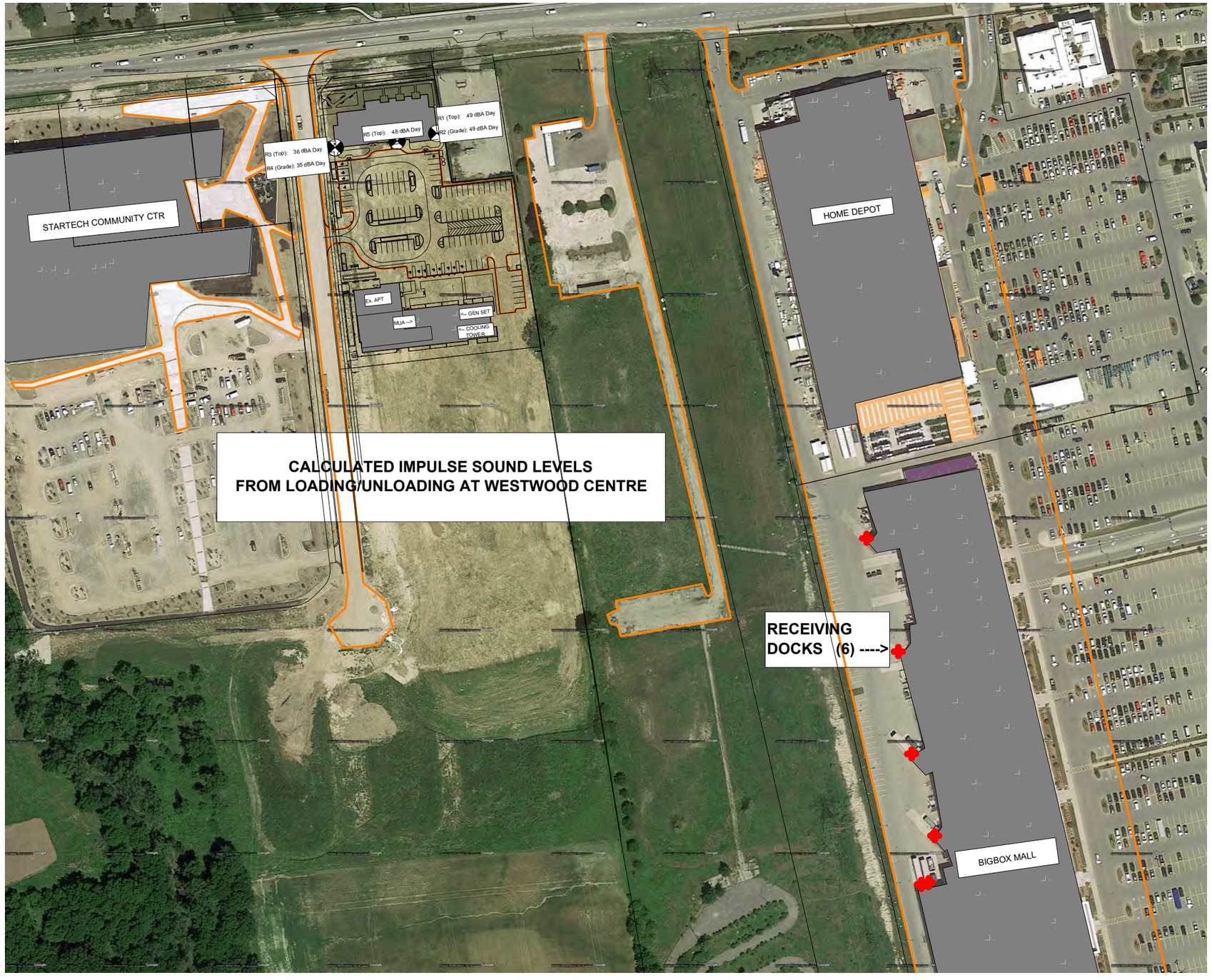
<-- COOLING TOWER

CALCULATED SOUND LEVELS FROM OFF-SITE MECHANICAL SOURCES

FIGURE 11

17476450 17476500 17476550 17476600 17476650 17476700 17476750 17476800 17476850 17476900 17476950 17477000 17477050 17477100 17477150

4754000 4753950 4753900 4753850 4753800 4753750 4753700 4753650 4753600



CALCULATED IMPULSE SOUND LEVELS FROM LOADING/UNLOADING AT WESTWOOD CENTRE

FIGURE 12

APPENDIX B: SOUND DATA

Subject: RE: [EXTERNAL] Re: 3010 Yorkville St - Traffic Data Request (Updated)
From: "Harpal, Dhaval" <dharpal@london.ca>
Date: 2023-07-12, 4:10 p.m.
To: Howard Patlik <hpatlik@jecoulterassoc.com>

Hi Patrick,

It's most recent AADT we have in system, considering it as 2023 volume. Southdale Rd widening wasn't considered in that data. We don't have way to account it so I would recommend assuming traffic would be 1.5 time the current after widening.

As for the heavy and medium vehicle percentage, please assume it 50-50% split.

Thanks,

Dhaval Harpal
Technologist II
Transportation Planning and Design
City of London

300 Dufferin Ave., London ON N6A 4LP
P: 519.661.CITY(2489) x 4017

dharpal@london.ca | www.london.ca

-----Original Message-----
From: Howard Patlik <hpatlik@jecoulterassoc.com>
Sent: Wednesday, July 12, 2023 4:04 PM
To: Harpal, Dhaval <dharpal@london.ca>
Subject: Re: [EXTERNAL] Re: 3010 Yorkville St - Traffic Data Request (Updated)

Hi,

What year is the data from and does it include the widening of Southdale? Do you have a split for the medium and heavy trucks?

Regards,

JECL

Howard R. Patlik, C.E.T.

On 2023-07-06 10:52 a.m., Harpal, Dhaval wrote:

> Hi Patrick,
>
> Sorry for the delay, I was on vacation and wasn't able to reply you sooner.
>
> We don't have ultimate AADT details but I can help you with existing data.
>
> Southdale Rd:
>
> AADT – 18,500 vehicles
> Speed – 60km/h
> Truck Traffic – 4.5% (including heavy and medium) Day/night splits –
> 96/4%
>
> Let me know if you have any questions,
>
> Thanks,
>
> Dhaval Harpal
> Technologist II
> Transportation Planning and Design
> City of London
>
> 300 Dufferin Ave., London ON N6A 4LP
> P: 519.661.CITY(2489) x 4017
>
> dharpal@london.ca | www.london.ca
>
> As part of our ongoing efforts to stop the spread of COVID-19, the City of London has made changes to many City services. Visit our website for the latest information about City services and COVID-19.

-----Original Message-----
From: Howard Patlik <hpatlik@jecoulterassoc.com>
Sent: Friday, June 23, 2023 1:40 PM
To: Harpal, Dhaval <dharpal@london.ca>
Subject: [EXTERNAL] Re: 3010 Yorkville St - Traffic Data Request
(Updated)

Hi Dhaval,

From my last email, the actual site address is 3010 Yorkville (further to the east) not 3080 Bostwick.

I am preparing a Noise Report for a residential development at 3010 Yorkville St. in London. I am looking for the current and projected traffic (24 hour AADT, trucks (medium and heavy %) and speed limit on Southdale Road West. Yorkville likely has little traffic.

Thank you,

--
Howard R. Patlik, C.E.T.

J.E. COULTER ASSOCIATES LIMITED
1210 Sheppard Avenue East
Suite 211
Toronto, Ontario
M2K 1E3
416-502-8598 x222
416-502-3473 (Fax)
hpatlik@jecoulterassoc.com

--
Howard R. Patlik, C.E.T.

J.E. COULTER ASSOCIATES LIMITED
1210 Sheppard Avenue East
Suite 211
Toronto, Ontario
M2K 1E3
416-502-8598 x222
416-502-3473 (Fax)
hpatlik@jecoulterassoc.com

SOUND LEVEL CALCULATIONS (TRANSPORTATION SOURCES)

STAMSON 5.0 NORMAL REPORT Date: 15-08-2023 178:47:32
MINISTRY OF ENVIRONMENT AND ENERGY / NOISE ASSESSMENT

Filename: ne.te Time Period: Day/Night 16/8 hours
Description: Loc 1 - NE Facade

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

Car traffic volume : 30174/1257 veh/TimePeriod *
Medium truck volume : 427/18 veh/TimePeriod *
Heavy truck volume : 995/41 veh/TimePeriod *
Posted speed limit : 60 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): 27000
Percentage of Annual Growth : 2.00
Number of Years of Growth : 10.00
Medium Truck % of Total Volume : 1.35
Heavy Truck % of Total Volume : 3.15
Day (16 hrs) % of Total Volume : 96.00

Data for Segment # 1: Southdale W (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 : 30.70 / 30.70 m
Receiver height : 38.80 / 38.80 m
Topography : 1 (Flat/gentle slope; no barrier)

Results segment # 1: Southdale W (day)

Source height = 1.33 m

ROAD (0.00 + 68.45 + 0.00) = 68.45 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.00	71.56	0.00	-3.11	0.00	0.00	0.00	0.00	68.45

Segment Leq : 68.45 dBA

Total Leq All Segments: 68.45 dBA

Results segment # 1: Southdale W (night)

Source height = 1.33 m

ROAD (0.00 + 57.64 + 0.00) = 57.64 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.00	60.75	0.00	-3.11	0.00	0.00	0.00	0.00	57.64

Segment Leq : 57.64 dBA

Total Leq All Segments: 57.64 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 68.45
(NIGHT): 57.64

STAMSON 5.0 NORMAL REPORT Date: 15-08-2023 178:47:42
MINISTRY OF ENVIRONMENT AND ENERGY / NOISE ASSESSMENT

Filename: nw.te Time Period: Day/Night 16/8 hours
Description: Loc 2 - NW Facade

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

Car traffic volume : 30174/1257 veh/TimePeriod *
Medium truck volume : 427/18 veh/TimePeriod *
Heavy truck volume : 995/41 veh/TimePeriod *
Posted speed limit : 60 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): 27000
Percentage of Annual Growth : 2.00
Number of Years of Growth : 10.00
Medium Truck % of Total Volume : 1.35
Heavy Truck % of Total Volume : 3.15
Day (16 hrs) % of Total Volume : 96.00

Data for Segment # 1: Southdale W (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 : 30.70 / 30.70 m
Receiver height : 38.80 / 38.80 m
Topography : 1 (Flat/gentle slope; no barrier)

Results segment # 1: Southdale W (day)

Source height = 1.33 m

ROAD (0.00 + 68.45 + 0.00) = 68.45 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.00	71.56	0.00	-3.11	0.00	0.00	0.00	0.00	68.45

Segment Leq : 68.45 dBA

Total Leq All Segments: 68.45 dBA

Results segment # 1: Southdale W (night)

Source height = 1.33 m

ROAD (0.00 + 57.64 + 0.00) = 57.64 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.00	60.75	0.00	-3.11	0.00	0.00	0.00	0.00	57.64

Segment Leq : 57.64 dBA

Total Leq All Segments: 57.64 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 68.45
(NIGHT): 57.64

STAMSON 5.0 NORMAL REPORT Date: 15-08-2023 178:48:22
MINISTRY OF ENVIRONMENT AND ENERGY / NOISE ASSESSMENT

Filename: se.te Time Period: Day/Night 16/8 hours
Description: Loc 3 - SE Facade

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

Car traffic volume : 30174/1257 veh/TimePeriod *
Medium truck volume : 427/18 veh/TimePeriod *
Heavy truck volume : 995/41 veh/TimePeriod *
Posted speed limit : 60 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): 27000
Percentage of Annual Growth : 2.00
Number of Years of Growth : 10.00
Medium Truck % of Total Volume : 1.35
Heavy Truck % of Total Volume : 3.15
Day (16 hrs) % of Total Volume : 96.00

Data for Segment # 1: Southdale W (day/night)

Angle1 Angle2 : -90.00 deg 0.00 deg
Wood depth : 0 (No woods.)
No of house rows : 0 / 0
Surface : 1 (Absorptive ground surface)
Receiver source distance : 53.00 / 53.00 m
Receiver height : 38.80 / 38.80 m
Topography : 1 (Flat/gentle slope; no barrier)

Results segment # 1: Southdale W (day)

Source height = 1.33 m

ROAD (0.00 + 63.07 + 0.00) = 63.07 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	0	0.00	71.56	0.00	-5.48	-3.01	0.00	0.00	0.00	63.07

Segment Leq : 63.07 dBA

Total Leq All Segments: 63.07 dBA

Results segment # 1: Southdale W (night)

Source height = 1.33 m

ROAD (0.00 + 52.25 + 0.00) = 52.25 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	0	0.00	60.75	0.00	-5.48	-3.01	0.00	0.00	0.00	52.25

Segment Leq : 52.25 dBA

Total Leq All Segments: 52.25 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 63.07
(NIGHT): 52.25

STAMSON 5.0 NORMAL REPORT Date: 15-08-2023 178:48:10
MINISTRY OF ENVIRONMENT AND ENERGY / NOISE ASSESSMENT

Filename: sw.te Time Period: Day/Night 16/8 hours
Description: Loc 4 - SW Facade

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

Car traffic volume : 30174/1257 veh/TimePeriod *
Medium truck volume : 427/18 veh/TimePeriod *
Heavy truck volume : 995/41 veh/TimePeriod *
Posted speed limit : 60 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): 27000
Percentage of Annual Growth : 2.00
Number of Years of Growth : 10.00
Medium Truck % of Total Volume : 1.35
Heavy Truck % of Total Volume : 3.15
Day (16 hrs) % of Total Volume : 96.00

Data for Segment # 1: Southdale W (day/night)

Angle1 Angle2 : -90.00 deg 0.00 deg
Wood depth : 0 (No woods.)
No of house rows : 0 / 0
Surface : 1 (Absorptive ground surface)
Receiver source distance : 45.00 / 45.00 m
Receiver height : 38.80 / 38.80 m
Topography : 1 (Flat/gentle slope; no barrier)

Results segment # 1: Southdale W (day)

Source height = 1.33 m

ROAD (0.00 + 63.78 + 0.00) = 63.78 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	0	0.00	71.56	0.00	-4.77	-3.01	0.00	0.00	0.00	63.78

Segment Leq : 63.78 dBA

Total Leq All Segments: 63.78 dBA

Results segment # 1: Southdale W (night)

Source height = 1.33 m

ROAD (0.00 + 52.96 + 0.00) = 52.96 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	0	0.00	60.75	0.00	-4.77	-3.01	0.00	0.00	0.00	52.96

Segment Leq : 52.96 dBA

Total Leq All Segments: 52.96 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 63.78
(NIGHT): 52.96

STAMSON 5.0 NORMAL REPORT Date: 15-08-2023 178:48:38
MINISTRY OF ENVIRONMENT AND ENERGY / NOISE ASSESSMENT

Filename: ola_12th.te Time Period: Day/Night 16/8 hours
Description: Loc 5 - S12th Level OLA

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

Car traffic volume : 30174/1257 veh/TimePeriod *
Medium truck volume : 427/18 veh/TimePeriod *
Heavy truck volume : 995/41 veh/TimePeriod *
Posted speed limit : 60 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): 27000
Percentage of Annual Growth : 2.00
Number of Years of Growth : 10.00
Medium Truck % of Total Volume : 1.35
Heavy Truck % of Total Volume : 3.15
Day (16 hrs) % of Total Volume : 96.00

Data for Segment # 1: Southdale W (day/night)

Angle1 Angle2 : -90.00 deg 45.00 deg
Wood depth : 0 (No woods.)
No of house rows : 0 / 0
Surface : 1 (Absorptive ground surface)
Receiver source distance : 43.00 m
Receiver height : 1.50 m
Topography : 2 (Flat/gentle slope; with barrier)
Barrier angle1 : -90.00 deg Angle2 : 45.00 deg
Barrier height : 1.10 m
Barrier receiver distance : 8.50 m
Source elevation : 0.00 m
Receiver elevation : 37.30 m
Barrier elevation : 37.30 m

Results segment # 1: Southdale W (day)

Source height = 1.33 m

Barrier height for grazing incidence

Source Height (m)	Receiver Height (m)	Barrier Height (m)	Elevation of Barrier Top (m)
1.33	1.50	-5.91	31.39

ROAD (0.00 + 45.09 + 0.00) = 45.09 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	45	0.60	71.56	0.00	-7.31	-2.21	0.00	0.00	-16.94	45.09

Segment Leq : 45.09 dBA

Total Leq All Segments: 45.09 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 45.09

CADNAA OUTPUT – OFF-SITE MECHANICAL SOURCES (DAYTIME)

DAYTIME - OFF-SITE MECHANICAL SOURCES

Receiver
Name: R1 - Top
ID: R1_TOP
X: 17476607.36 m
Y: 4753985.17 m
Z: 40.00 m

Point Source, ISO 9613, Name: "Cooling Tower - Ex Apt", ID: "CT_EX"																				
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)
35	17476616.40	4753887.48	53.30	0	D	63	76.4	0.0	0.0	0.0	0.0	50.9	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	23.7
35	17476616.40	4753887.48	53.30	0	D	125	85.5	0.0	0.0	0.0	0.0	50.9	0.0	-2.0	0.0	0.0	4.8	0.0	0.0	31.8
35	17476616.40	4753887.48	53.30	0	D	250	93.0	0.0	0.0	0.0	0.0	50.9	0.1	-2.0	0.0	0.0	4.8	0.0	0.0	39.2
35	17476616.40	4753887.48	53.30	0	D	500	89.4	0.0	0.0	0.0	0.0	50.9	0.2	-2.0	0.0	0.0	4.9	0.0	0.0	35.5
35	17476616.40	4753887.48	53.30	0	D	1000	88.6	0.0	0.0	0.0	0.0	50.9	0.4	-2.0	0.0	0.0	4.9	0.0	0.0	34.4
35	17476616.40	4753887.48	53.30	0	D	2000	84.8	0.0	0.0	0.0	0.0	50.9	1.0	-2.0	0.0	0.0	5.1	0.0	0.0	29.9
35	17476616.40	4753887.48	53.30	0	D	4000	82.6	0.0	0.0	0.0	0.0	50.9	3.2	-2.0	0.0	0.0	5.4	0.0	0.0	25.1
35	17476616.40	4753887.48	53.30	0	D	8000	79.5	0.0	0.0	0.0	0.0	50.9	11.6	-2.0	0.0	0.0	5.9	0.0	0.0	13.2

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
38	17476458.73	4753965.13	14.00	0	D	63	66.8	0.0	0.0	0.0	0.0	54.6	0.0	-3.0	0.0	0.0	6.6	0.0	0.0	8.6
38	17476458.73	4753965.13	14.00	0	D	125	82.9	0.0	0.0	0.0	0.0	54.6	0.1	-0.4	0.0	0.0	9.0	0.0	0.0	19.5
38	17476458.73	4753965.13	14.00	0	D	250	83.4	0.0	0.0	0.0	0.0	54.6	0.2	-0.4	0.0	0.0	11.6	0.0	0.0	17.3
38	17476458.73	4753965.13	14.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	54.6	0.3	-0.4	0.0	0.0	14.4	0.0	0.0	14.8
38	17476458.73	4753965.13	14.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	54.6	0.6	-0.4	0.0	0.0	17.3	0.0	0.0	13.9
38	17476458.73	4753965.13	14.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	54.6	1.5	-0.4	0.0	0.0	19.7	0.0	0.0	7.7
38	17476458.73	4753965.13	14.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	54.6	5.0	-0.4	0.0	0.0	21.6	0.0	0.0	-2.8
38	17476458.73	4753965.13	14.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	54.6	17.8	-0.4	0.0	0.0	23.0	0.0	0.0	-23.1

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
41	17476442.58	4753918.62	13.50	0	D	63	66.8	0.0	0.0	0.0	0.0	56.1	0.0	-3.0	0.0	0.0	3.5	0.0	0.0	10.1
41	17476442.58	4753918.62	13.50	0	D	125	82.9	0.0	0.0	0.0	0.0	56.1	0.1	-1.2	0.0	0.0	4.9	0.0	0.0	23.0
41	17476442.58	4753918.62	13.50	0	D	250	83.4	0.0	0.0	0.0	0.0	56.1	0.2	-1.2	0.0	0.0	7.2	0.0	0.0	21.1
41	17476442.58	4753918.62	13.50	0	D	500	86.8	0.0	0.0	0.0	-3.0	56.1	0.3	-1.2	0.0	0.0	10.1	0.0	0.0	18.4
41	17476442.58	4753918.62	13.50	0	D	1000	86.0	0.0	0.0	0.0	0.0	56.1	0.7	-1.2	0.0	0.0	13.1	0.0	0.0	17.4
41	17476442.58	4753918.62	13.50	0	D	2000	83.2	0.0	0.0	0.0	0.0	56.1	1.7	-1.2	0.0	0.0	16.0	0.0	0.0	10.5
41	17476442.58	4753918.62	13.50	0	D	4000	78.0	0.0	0.0	0.0	0.0	56.1	5.9	-1.2	0.0	0.0	18.9	0.0	0.0	-1.7
41	17476442.58	4753918.62	13.50	0	D	8000	71.9	0.0	0.0	0.0	0.0	56.1	21.0	-1.2	0.0	0.0	21.3	0.0	0.0	-25.3

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
47	17476787.61	4753973.27	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	56.3	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	13.5
47	17476787.61	4753973.27	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	56.3	0.1	-0.7	0.0	0.0	0.0	0.0	0.0	27.3
47	17476787.61	4753973.27	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	56.3	0.2	-1.0	0.0	0.0	0.0	0.0	0.0	28.0
47	17476787.61	4753973.27	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	56.3	0.4	-1.0	0.0	0.0	0.0	0.0	0.0	28.2
47	17476787.61	4753973.27	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	56.3	0.7	-1.0	0.0	0.0	0.0	0.0	0.0	30.1
47	17476787.61	4753973.27	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	56.3	1.8	-1.0	0.0	0.0	0.0	0.0	0.0	26.2
47	17476787.61	4753973.27	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	56.3	6.0	-1.0	0.0	0.0	0.0	0.0	0.0	16.7
47	17476787.61	4753973.27	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	56.3	21.4	-1.0	0.0	0.0	0.0	0.0	0.0	-4.8

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
49	17476437.68	4753917.94	13.50	0	D	63	66.8	0.0	0.0	0.0	0.0	56.3	0.0	-3.0	0.0	0.0	3.6	0.0	0.0	9.9
49	17476437.68	4753917.94	13.50	0	D	125	82.9	0.0	0.0	0.0	0.0	56.3	0.1	-1.1	0.0	0.0	4.9	0.0	0.0	22.7
49	17476437.68	4753917.94	13.50	0	D	250	83.4	0.0	0.0	0.0	0.0	56.3	0.2	-1.1	0.0	0.0	7.2	0.0	0.0	20.8
49	17476437.68	4753917.94	13.50	0	D	500	86.8	0.0	0.0	0.0	-3.0	56.3	0.4	-1.1	0.0	0.0	10.1	0.0	0.0	18.1
49	17476437.68	4753917.94	13.50	0	D	1000	86.0	0.0	0.0	0.0	0.0	56.3	0.7	-1.1	0.0	0.0	13.1	0.0	0.0	17.1

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
49	17476437.68	4753917.94	13.50	0	D	2000	83.2	0.0	0.0	0.0	0.0	56.3	1.8	-1.1	0.0	0.0	16.0	0.0	0.0	10.2
49	17476437.68	4753917.94	13.50	0	D	4000	78.0	0.0	0.0	0.0	0.0	56.3	6.0	-1.1	0.0	0.0	19.0	0.0	0.0	-2.2
49	17476437.68	4753917.94	13.50	0	D	8000	71.9	0.0	0.0	0.0	0.0	56.3	21.6	-1.1	0.0	0.0	21.3	0.0	0.0	-26.2

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
52	17476419.73	4753957.95	14.00	0	D	63	66.8	0.0	0.0	0.0	0.0	56.6	0.0	-3.0	0.0	0.0	5.8	0.0	0.0	7.3
52	17476419.73	4753957.95	14.00	0	D	125	82.9	0.0	0.0	0.0	0.0	56.6	0.1	-0.4	0.0	0.0	8.3	0.0	0.0	18.3
52	17476419.73	4753957.95	14.00	0	D	250	83.4	0.0	0.0	0.0	0.0	56.6	0.2	-0.4	0.0	0.0	10.9	0.0	0.0	16.0
52	17476419.73	4753957.95	14.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	56.6	0.4	-0.4	0.0	0.0	13.7	0.0	0.0	13.5
52	17476419.73	4753957.95	14.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	56.6	0.7	-0.4	0.0	0.0	16.5	0.0	0.0	12.5
52	17476419.73	4753957.95	14.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	56.6	1.8	-0.4	0.0	0.0	19.5	0.0	0.0	5.6
52	17476419.73	4753957.95	14.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	56.6	6.3	-0.4	0.0	0.0	21.6	0.0	0.0	-6.1
52	17476419.73	4753957.95	14.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	56.6	22.4	-0.4	0.0	0.0	22.9	0.0	0.0	-29.7

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
56	17476796.53	4753934.12	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	56.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	12.8
56	17476796.53	4753934.12	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	56.9	0.1	-0.7	0.0	0.0	0.0	0.0	0.0	26.6
56	17476796.53	4753934.12	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	56.9	0.2	-1.0	0.0	0.0	0.0	0.0	0.0	27.2
56	17476796.53	4753934.12	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	56.9	0.4	-1.0	0.0	0.0	0.0	0.0	0.0	27.5
56	17476796.53	4753934.12	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	56.9	0.7	-1.0	0.0	0.0	0.0	0.0	0.0	29.3
56	17476796.53	4753934.12	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	56.9	1.9	-1.0	0.0	0.0	0.0	0.0	0.0	25.3
56	17476796.53	4753934.12	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	56.9	6.5	-1.0	0.0	0.0	0.0	0.0	0.0	15.5
56	17476796.53	4753934.12	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	56.9	23.2	-1.0	0.0	0.0	0.0	0.0	0.0	-7.2

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
58	17476804.19	4753969.37	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	57.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	12.8
58	17476804.19	4753969.37	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	57.0	0.1	-0.9	0.0	0.0	0.0	0.0	0.0	26.7
58	17476804.19	4753969.37	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	57.0	0.2	-1.1	0.0	0.0	0.0	0.0	0.0	27.3
58	17476804.19	4753969.37	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	57.0	0.4	-1.1	0.0	0.0	0.0	0.0	0.0	27.5
58	17476804.19	4753969.37	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	57.0	0.7	-1.1	0.0	0.0	0.0	0.0	0.0	29.4
58	17476804.19	4753969.37	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	57.0	1.9	-1.1	0.0	0.0	0.0	0.0	0.0	25.4
58	17476804.19	4753969.37	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	57.0	6.6	-1.1	0.0	0.0	0.0	0.0	0.0	15.6
58	17476804.19	4753969.37	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	57.0	23.4	-1.1	0.0	0.0	0.0	0.0	0.0	-7.3

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
62	17476447.04	4753956.22	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	55.4	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	7.6
62	17476447.04	4753956.22	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	55.4	0.1	-0.6	0.0	0.0	7.1	0.0	0.0	19.0
62	17476447.04	4753956.22	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	55.4	0.2	-0.6	0.0	0.0	10.0	0.0	0.0	16.5
62	17476447.04	4753956.22	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	55.4	0.3	-0.6	0.0	0.0	12.9	0.0	0.0	13.9
62	17476447.04	4753956.22	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	55.4	0.6	-0.6	0.0	0.0	15.8	0.0	0.0	12.9
62	17476447.04	4753956.22	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	55.4	1.6	-0.6	0.0	0.0	18.7	0.0	0.0	6.1
62	17476447.04	4753956.22	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	55.4	5.4	-0.6	0.0	0.0	21.3	0.0	0.0	-5.5
62	17476447.04	4753956.22	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	55.4	19.3	-0.6	0.0	0.0	22.8	0.0	0.0	-26.9

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
66	17476446.52	4753920.57	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	55.9	0.0	-3.0	0.0	0.0	3.6	0.0	0.0	8.3
66	17476446.52	4753920.57	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	55.9	0.1	-1.2	0.0	0.0	5.0	0.0	0.0	21.2
66	17476446.52	4753920.57	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	55.9	0.2	-1.2	0.0	0.0	7.3	0.0	0.0	19.3
66	17476446.52	4753920.57	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	55.9	0.3	-1.2	0.0	0.0	10.2	0.0	0.0	16.6
66	17476446.52	4753920.57	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	55.9	0.6	-1.2	0.0	0.0	13.1	0.0	0.0	15.5
66	17476446.52	4753920.57	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	55.9	1.7	-1.2	0.0	0.0	16.1	0.0	0.0	8.8
66	17476446.52	4753920.57	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	55.9	5.7	-1.2	0.0	0.0	19.0	0.0	0.0	-3.4
66	17476446.52	4753920.57	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	55.9	20.5	-1.2	0.0	0.0	21.3	0.0	0.0	-26.6

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
70	17476827.48	4753982.17	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	57.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	11.8
70	17476827.48	4753982.17	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	57.9	0.1	-1.1	0.0	0.0	0.0	0.0	0.0	26.0
70	17476827.48	4753982.17	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	57.9	0.2	-1.4	0.0	0.0	0.0	0.0	0.0	26.6
70	17476827.48	4753982.17	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	57.9	0.4	-1.4	0.0	0.0	0.0	0.0	0.0	26.8
70	17476827.48	4753982.17	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	57.9	0.8	-1.4	0.0	0.0	0.0	0.0	0.0	28.6
70	17476827.48	4753982.17	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	57.9	2.1	-1.4	0.0	0.0	0.0	0.0	0.0	24.5
70	17476827.48	4753982.17	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	57.9	7.3	-1.4	0.0	0.0	0.0	0.0	0.0	14.1
70	17476827.48	4753982.17	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	57.9	26.0	-1.4	0.0	0.0	0.0	0.0	0.0	-10.7

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
74	17476806.08	4753881.83	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	58.1	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	11.7
74	17476806.08	4753881.83	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	58.1	0.1	-0.7	0.0	0.0	0.0	0.0	0.0	25.4
74	17476806.08	4753881.83	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	58.1	0.2	-1.0	0.0	0.0	0.0	0.0	0.0	26.0
74	17476806.08	4753881.83	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	58.1	0.4	-1.0	0.0	0.0	0.0	0.0	0.0	26.2
74	17476806.08	4753881.83	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	58.1	0.8	-1.0	0.0	0.0	0.0	0.0	0.0	28.1
74	17476806.08	4753881.83	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	58.1	2.2	-1.0	0.0	0.0	0.0	0.0	0.0	23.9
74	17476806.08	4753881.83	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	58.1	7.4	-1.0	0.0	0.0	0.0	0.0	0.0	13.5
74	17476806.08	4753881.83	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	58.1	26.4	-1.0	0.0	0.0	0.0	0.0	0.0	-11.6

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
91	17476818.25	4753908.38	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	58.1	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	11.7
91	17476818.25	4753908.38	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	58.1	0.1	-0.9	0.0	0.0	0.0	0.0	0.0	25.6
91	17476818.25	4753908.38	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	58.1	0.2	-1.2	0.0	0.0	0.0	0.0	0.0	26.2
91	17476818.25	4753908.38	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	58.1	0.4	-1.2	0.0	0.0	0.0	0.0	0.0	26.4
91	17476818.25	4753908.38	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	58.1	0.8	-1.2	0.0	0.0	0.0	0.0	0.0	28.2
91	17476818.25	4753908.38	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	58.1	2.2	-1.2	0.0	0.0	0.0	0.0	0.0	24.1
91	17476818.25	4753908.38	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	58.1	7.4	-1.2	0.0	0.0	0.0	0.0	0.0	13.6
91	17476818.25	4753908.38	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	58.1	26.5	-1.2	0.0	0.0	0.0	0.0	0.0	-11.5

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
96	17476832.83	4753957.31	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	58.2	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	11.6
96	17476832.83	4753957.31	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	58.2	0.1	-1.1	0.0	0.0	0.0	0.0	0.0	25.7
96	17476832.83	4753957.31	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	58.2	0.2	-1.4	0.0	0.0	0.0	0.0	0.0	26.3
96	17476832.83	4753957.31	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	58.2	0.4	-1.4	0.0	0.0	0.0	0.0	0.0	26.5
96	17476832.83	4753957.31	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	58.2	0.8	-1.4	0.0	0.0	0.0	0.0	0.0	28.3
96	17476832.83	4753957.31	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	58.2	2.2	-1.4	0.0	0.0	0.0	0.0	0.0	24.2
96	17476832.83	4753957.31	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	58.2	7.5	-1.4	0.0	0.0	0.0	0.0	0.0	13.7
96	17476832.83	4753957.31	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	58.2	26.8	-1.4	0.0	0.0	0.0	0.0	0.0	-11.7

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
99	17476839.12	4753930.56	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	58.6	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	11.2
99	17476839.12	4753930.56	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	58.6	0.1	-1.1	0.0	0.0	0.0	0.0	0.0	25.3
99	17476839.12	4753930.56	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	58.6	0.3	-1.4	0.0	0.0	0.0	0.0	0.0	25.9
99	17476839.12	4753930.56	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	58.6	0.5	-1.4	0.0	0.0	0.0	0.0	0.0	26.1
99	17476839.12	4753930.56	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	58.6	0.9	-1.4	0.0	0.0	0.0	0.0	0.0	27.9
99	17476839.12	4753930.56	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	58.6	2.3	-1.4	0.0	0.0	0.0	0.0	0.0	23.7
99	17476839.12	4753930.56	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	58.6	7.9	-1.4	0.0	0.0	0.0	0.0	0.0	12.9
99	17476839.12	4753930.56	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	58.6	28.1	-1.4	0.0	0.0	0.0	0.0	0.0	-13.4

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
103	17476828.11	4753865.78	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	59.1	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	10.7
103	17476828.11	4753865.78	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	59.1	0.1	-0.9	0.0	0.0	0.0	0.0	0.0	24.6
103	17476828.11	4753865.78	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	59.1	0.3	-1.2	0.0	0.0	0.0	0.0	0.0	25.3
103	17476828.11	4753865.78	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	59.1	0.5	-1.2	0.0	0.0	0.0	0.0	0.0	25.4

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
103	17476828.11	4753865.78	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	59.1	0.9	-1.2	0.0	0.0	0.0	0.0	0.0	27.2
103	17476828.11	4753865.78	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	59.1	2.4	-1.2	0.0	0.0	0.0	0.0	0.0	22.9
103	17476828.11	4753865.78	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	59.1	8.3	-1.2	0.0	0.0	0.0	0.0	0.0	11.8
103	17476828.11	4753865.78	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	59.1	29.6	-1.2	0.0	0.0	0.0	0.0	0.0	-15.5

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
108	17476417.62	4753917.09	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	57.2	0.0	-3.0	0.0	0.0	3.6	0.0	0.0	7.0
108	17476417.62	4753917.09	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	57.2	0.1	-1.1	0.0	0.0	5.1	0.0	0.0	19.7
108	17476417.62	4753917.09	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	57.2	0.2	-1.1	0.0	0.0	7.4	0.0	0.0	17.6
108	17476417.62	4753917.09	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	57.2	0.4	-1.1	0.0	0.0	10.4	0.0	0.0	14.9
108	17476417.62	4753917.09	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	57.2	0.7	-1.1	0.0	0.0	13.3	0.0	0.0	13.8
108	17476417.62	4753917.09	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	57.2	2.0	-1.1	0.0	0.0	16.2	0.0	0.0	6.9
108	17476417.62	4753917.09	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	57.2	6.7	-1.1	0.0	0.0	19.2	0.0	0.0	-5.9
108	17476417.62	4753917.09	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	57.2	23.8	-1.1	0.0	0.0	21.7	0.0	0.0	-31.6

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
113	17476846.99	4753896.52	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	59.2	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	10.6
113	17476846.99	4753896.52	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	59.2	0.1	-1.1	0.0	0.0	0.0	0.0	0.0	24.7
113	17476846.99	4753896.52	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	59.2	0.3	-1.4	0.0	0.0	0.0	0.0	0.0	25.3
113	17476846.99	4753896.52	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	59.2	0.5	-1.4	0.0	0.0	0.0	0.0	0.0	25.5
113	17476846.99	4753896.52	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	59.2	0.9	-1.4	0.0	0.0	0.0	0.0	0.0	27.2
113	17476846.99	4753896.52	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	59.2	2.5	-1.4	0.0	0.0	0.0	0.0	0.0	22.9
113	17476846.99	4753896.52	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	59.2	8.4	-1.4	0.0	0.0	0.0	0.0	0.0	11.7
113	17476846.99	4753896.52	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	59.2	30.1	-1.4	0.0	0.0	0.0	0.0	0.0	-16.0

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
117	17476397.75	4753950.89	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	57.6	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	5.4
117	17476397.75	4753950.89	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	57.6	0.1	-0.4	0.0	0.0	7.1	0.0	0.0	16.5
117	17476397.75	4753950.89	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	57.6	0.2	-0.4	0.0	0.0	9.8	0.0	0.0	14.1
117	17476397.75	4753950.89	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	57.6	0.4	-0.4	0.0	0.0	12.6	0.0	0.0	11.5
117	17476397.75	4753950.89	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	57.6	0.8	-0.4	0.0	0.0	15.5	0.0	0.0	10.5
117	17476397.75	4753950.89	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	57.6	2.1	-0.4	0.0	0.0	18.4	0.0	0.0	3.5
117	17476397.75	4753950.89	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	57.6	7.0	-0.4	0.0	0.0	21.4	0.0	0.0	-9.6
117	17476397.75	4753950.89	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	57.6	25.0	-0.4	0.0	0.0	22.8	0.0	0.0	-35.2

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
119	17476852.55	4753871.66	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	59.7	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	10.1
119	17476852.55	4753871.66	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	59.7	0.1	-1.2	0.0	0.0	0.0	0.0	0.0	24.3
119	17476852.55	4753871.66	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	59.7	0.3	-1.4	0.0	0.0	0.0	0.0	0.0	24.8
119	17476852.55	4753871.66	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	59.7	0.5	-1.4	0.0	0.0	0.0	0.0	0.0	25.0
119	17476852.55	4753871.66	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	59.7	1.0	-1.4	0.0	0.0	0.0	0.0	0.0	26.7
119	17476852.55	4753871.66	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	59.7	2.6	-1.4	0.0	0.0	0.0	0.0	0.0	22.3
119	17476852.55	4753871.66	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	59.7	8.9	-1.4	0.0	0.0	0.0	0.0	0.0	10.8
119	17476852.55	4753871.66	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	59.7	31.8	-1.4	0.0	0.0	0.0	0.0	0.0	-18.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
122	17476799.07	4754181.61	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	59.8	0.0	-3.0	0.0	0.0	3.1	0.0	0.0	6.8
122	17476799.07	4754181.61	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	59.8	0.1	0.4	0.0	0.0	3.6	0.0	0.0	19.0
122	17476799.07	4754181.61	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	59.8	0.3	0.0	0.0	0.0	4.3	0.0	0.0	19.0
122	17476799.07	4754181.61	9.00	0	D	500	86.8	0.0	0.0	0.0	0.0	59.8	0.5	0.0	0.0	0.0	5.0	0.0	0.0	21.5
122	17476799.07	4754181.61	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	59.8	1.0	-0.0	0.0	0.0	5.8	0.0	0.0	19.4
122	17476799.07	4754181.61	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	59.8	2.7	-0.0	0.0	0.0	6.9	0.0	0.0	13.8
122	17476799.07	4754181.61	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	59.8	9.1	-0.0	0.0	0.0	8.4	0.0	0.0	0.7
122	17476799.07	4754181.61	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	59.8	32.3	-0.0	0.0	0.0	10.4	0.0	0.0	-30.6

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
125	17476441.32	4753960.17	13.50	0	D	63	61.8	0.0	0.0	0.0	0.0	55.6	0.0	-3.0	0.0	0.0	5.8	0.0	0.0	3.3
125	17476441.32	4753960.17	13.50	0	D	125	77.9	0.0	0.0	0.0	0.0	55.6	0.1	-0.5	0.0	0.0	8.3	0.0	0.0	14.3
125	17476441.32	4753960.17	13.50	0	D	250	78.4	0.0	0.0	0.0	0.0	55.6	0.2	-0.5	0.0	0.0	11.0	0.0	0.0	12.1
125	17476441.32	4753960.17	13.50	0	D	500	81.8	0.0	0.0	0.0	-3.0	55.6	0.3	-0.5	0.0	0.0	13.8	0.0	0.0	9.5
125	17476441.32	4753960.17	13.50	0	D	1000	81.0	0.0	0.0	0.0	0.0	55.6	0.6	-0.5	0.0	0.0	16.7	0.0	0.0	8.6
125	17476441.32	4753960.17	13.50	0	D	2000	78.2	0.0	0.0	0.0	0.0	55.6	1.6	-0.5	0.0	0.0	19.6	0.0	0.0	1.8
125	17476441.32	4753960.17	13.50	0	D	4000	73.0	0.0	0.0	0.0	0.0	55.6	5.6	-0.5	0.0	0.0	21.5	0.0	0.0	-9.2
125	17476441.32	4753960.17	13.50	0	D	8000	66.9	0.0	0.0	0.0	0.0	55.6	19.9	-0.5	0.0	0.0	22.9	0.0	0.0	-31.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
129	17476793.19	4754153.93	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	59.1	0.0	-3.0	0.0	0.0	3.1	0.0	0.0	4.6
129	17476793.19	4754153.93	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	59.1	0.1	0.4	0.0	0.0	3.5	0.0	0.0	16.8
129	17476793.19	4754153.93	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	59.1	0.3	0.0	0.0	0.0	4.2	0.0	0.0	16.8
129	17476793.19	4754153.93	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	59.1	0.5	0.0	0.0	0.0	4.8	0.0	0.0	19.4
129	17476793.19	4754153.93	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	59.1	0.9	-0.0	0.0	0.0	5.5	0.0	0.0	17.5
129	17476793.19	4754153.93	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	59.1	2.4	-0.0	0.0	0.0	6.4	0.0	0.0	12.3
129	17476793.19	4754153.93	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	59.1	8.3	-0.0	0.0	0.0	7.7	0.0	0.0	-0.1
129	17476793.19	4754153.93	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	59.1	29.6	-0.0	0.0	0.0	9.5	0.0	0.0	-29.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
131	17476877.20	4753606.53	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	64.4	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	7.4
131	17476877.20	4753606.53	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	64.4	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	21.2
131	17476877.20	4753606.53	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	64.4	0.5	-1.1	0.0	0.0	0.0	0.0	0.0	21.7
131	17476877.20	4753606.53	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	64.4	0.9	-1.1	0.0	0.0	0.0	0.0	0.0	21.7
131	17476877.20	4753606.53	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	64.4	1.7	-1.1	0.0	0.0	0.0	0.0	0.0	23.0
131	17476877.20	4753606.53	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	64.4	4.5	-1.1	0.0	0.0	0.0	0.0	0.0	17.4
131	17476877.20	4753606.53	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	64.4	15.3	-1.1	0.0	0.0	0.0	0.0	0.0	1.5
131	17476877.20	4753606.53	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	64.4	54.5	-1.1	0.0	0.0	0.0	0.0	0.0	-43.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
136	17476909.61	4753613.98	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	64.6	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	7.1
136	17476909.61	4753613.98	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	64.6	0.2	-1.4	0.0	0.0	0.0	0.0	0.0	21.5
136	17476909.61	4753613.98	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	64.6	0.5	-1.6	0.0	0.0	0.0	0.0	0.0	21.9
136	17476909.61	4753613.98	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	64.6	0.9	-1.6	0.0	0.0	0.0	0.0	0.0	21.8
136	17476909.61	4753613.98	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	64.6	1.8	-1.6	0.0	0.0	0.0	0.0	0.0	23.2
136	17476909.61	4753613.98	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	64.6	4.6	-1.6	0.0	0.0	0.0	0.0	0.0	17.5
136	17476909.61	4753613.98	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	64.6	15.7	-1.6	0.0	0.0	0.0	0.0	0.0	1.2
136	17476909.61	4753613.98	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	64.6	56.1	-1.6	0.0	0.0	0.0	0.0	0.0	-45.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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	17476865.95	4753702.24	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	62.7	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	7.1
139	17476865.95	4753702.24	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	62.7	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	21.0
139	17476865.95	4753702.24	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	62.7	0.4	-1.2	0.0	0.0	0.0	0.0	0.0	21.5
139	17476865.95	4753702.24	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	62.7	0.7	-1.2	0.0	0.0	0.0	0.0	0.0	21.6
139	17476865.95	4753702.24	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	62.7	1.4	-1.2	0.0	0.0	0.0	0.0	0.0	23.1
139	17476865.95	4753702.24	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	62.7	3.7	-1.2	0.0	0.0	0.0	0.0	0.0	18.0
139	17476865.95	4753702.24	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	62.7	12.6	-1.2	0.0	0.0	0.0	0.0	0.0	3.9
139	17476865.95	4753702.24	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	62.7	44.9	-1.2	0.0	0.0	0.0	0.0	0.0	-34.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
142	17476882.13	4753584.28	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	64.8	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	7.0
142	17476882.13	4753584.28	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	64.8	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	20.8
142	17476882.13	4753584.28	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	64.8	0.5	-1.1	0.0	0.0	0.0	0.0	0.0	21.3
142	17476882.13	4753584.28	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	64.8	0.9	-1.1	0.0	0.0	0.0	0.0	0.0	21.2

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
142	17476882.13	4753584.28	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	64.8	1.8	-1.1	0.0	0.0	0.0	0.0	0.0	22.6
142	17476882.13	4753584.28	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	64.8	4.7	-1.1	0.0	0.0	0.0	0.0	0.0	16.9
142	17476882.13	4753584.28	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	64.8	16.0	-1.1	0.0	0.0	0.0	0.0	0.0	0.4
142	17476882.13	4753584.28	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	64.8	56.9	-1.1	0.0	0.0	0.0	0.0	0.0	-46.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
146	17476887.14	4753708.11	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	62.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	6.8
146	17476887.14	4753708.11	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	62.9	0.2	-1.3	0.0	0.0	0.0	0.0	0.0	21.1
146	17476887.14	4753708.11	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	62.9	0.4	-1.5	0.0	0.0	0.0	0.0	0.0	21.5
146	17476887.14	4753708.11	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	62.9	0.8	-1.5	0.0	0.0	0.0	0.0	0.0	21.6
146	17476887.14	4753708.11	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	62.9	1.4	-1.5	0.0	0.0	0.0	0.0	0.0	23.1
146	17476887.14	4753708.11	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	62.9	3.8	-1.5	0.0	0.0	0.0	0.0	0.0	17.9
146	17476887.14	4753708.11	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	62.9	12.9	-1.5	0.0	0.0	0.0	0.0	0.0	3.6
146	17476887.14	4753708.11	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	62.9	46.2	-1.5	0.0	0.0	0.0	0.0	0.0	-35.7

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
149	17476914.55	4753592.78	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	65.0	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	6.8
149	17476914.55	4753592.78	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	65.0	0.2	-1.4	0.0	0.0	0.0	0.0	0.0	21.2
149	17476914.55	4753592.78	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	65.0	0.5	-1.6	0.0	0.0	0.0	0.0	0.0	21.5
149	17476914.55	4753592.78	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	65.0	1.0	-1.6	0.0	0.0	0.0	0.0	0.0	21.5
149	17476914.55	4753592.78	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	65.0	1.8	-1.6	0.0	0.0	0.0	0.0	0.0	22.8
149	17476914.55	4753592.78	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	65.0	4.8	-1.6	0.0	0.0	0.0	0.0	0.0	17.0
149	17476914.55	4753592.78	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	65.0	16.4	-1.6	0.0	0.0	0.0	0.0	0.0	0.3
149	17476914.55	4753592.78	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	65.0	58.4	-1.6	0.0	0.0	0.0	0.0	0.0	-47.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
152	17476869.99	4753684.35	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.1	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	6.7
152	17476869.99	4753684.35	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.1	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	20.6
152	17476869.99	4753684.35	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.1	0.4	-1.2	0.0	0.0	0.0	0.0	0.0	21.1
152	17476869.99	4753684.35	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.1	0.8	-1.2	0.0	0.0	0.0	0.0	0.0	21.2
152	17476869.99	4753684.35	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.1	1.5	-1.2	0.0	0.0	0.0	0.0	0.0	22.7
152	17476869.99	4753684.35	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.1	3.9	-1.2	0.0	0.0	0.0	0.0	0.0	17.5
152	17476869.99	4753684.35	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.1	13.1	-1.2	0.0	0.0	0.0	0.0	0.0	3.0
152	17476869.99	4753684.35	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.1	46.8	-1.2	0.0	0.0	0.0	0.0	0.0	-36.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
156	17476886.43	4753565.29	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	65.1	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	6.7
156	17476886.43	4753565.29	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	65.1	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	20.5
156	17476886.43	4753565.29	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	65.1	0.5	-1.1	0.0	0.0	0.0	0.0	0.0	21.0
156	17476886.43	4753565.29	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	65.1	1.0	-1.2	0.0	0.0	0.0	0.0	0.0	20.9
156	17476886.43	4753565.29	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	65.1	1.8	-1.2	0.0	0.0	0.0	0.0	0.0	22.2
156	17476886.43	4753565.29	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	65.1	4.9	-1.2	0.0	0.0	0.0	0.0	0.0	16.4
156	17476886.43	4753565.29	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	65.1	16.6	-1.2	0.0	0.0	0.0	0.0	0.0	-0.5
156	17476886.43	4753565.29	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	65.1	59.0	-1.2	0.0	0.0	0.0	0.0	0.0	-49.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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	17476891.60	4753689.80	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.3	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	6.5
162	17476891.60	4753689.80	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.3	0.2	-1.3	0.0	0.0	0.0	0.0	0.0	20.8
162	17476891.60	4753689.80	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.3	0.4	-1.5	0.0	0.0	0.0	0.0	0.0	21.2
162	17476891.60	4753689.80	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.3	0.8	-1.5	0.0	0.0	0.0	0.0	0.0	21.2
162	17476891.60	4753689.80	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.3	1.5	-1.5	0.0	0.0	0.0	0.0	0.0	22.7
162	17476891.60	4753689.80	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.3	4.0	-1.5	0.0	0.0	0.0	0.0	0.0	17.5
162	17476891.60	4753689.80	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.3	13.5	-1.5	0.0	0.0	0.0	0.0	0.0	2.8
162	17476891.60	4753689.80	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.3	48.0	-1.5	0.0	0.0	0.0	0.0	0.0	-37.9

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
165	17476919.48	4753572.53	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	65.3	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	6.4
165	17476919.48	4753572.53	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	65.3	0.2	-1.5	0.0	0.0	0.0	0.0	0.0	20.9
165	17476919.48	4753572.53	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	65.3	0.5	-1.6	0.0	0.0	0.0	0.0	0.0	21.2
165	17476919.48	4753572.53	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	65.3	1.0	-1.6	0.0	0.0	0.0	0.0	0.0	21.2
165	17476919.48	4753572.53	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	65.3	1.9	-1.6	0.0	0.0	0.0	0.0	0.0	22.5
165	17476919.48	4753572.53	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	65.3	5.0	-1.6	0.0	0.0	0.0	0.0	0.0	16.5
165	17476919.48	4753572.53	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	65.3	17.0	-1.6	0.0	0.0	0.0	0.0	0.0	-0.6
165	17476919.48	4753572.53	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	65.3	60.6	-1.6	0.0	0.0	0.0	0.0	0.0	-50.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
168	17476875.30	4753661.98	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.5	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	6.3
168	17476875.30	4753661.98	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.5	0.2	-1.0	0.0	0.0	0.0	0.0	0.0	20.2
168	17476875.30	4753661.98	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.5	0.4	-1.2	0.0	0.0	0.0	0.0	0.0	20.7
168	17476875.30	4753661.98	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.5	0.8	-1.2	0.0	0.0	0.0	0.0	0.0	20.7
168	17476875.30	4753661.98	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.5	1.5	-1.2	0.0	0.0	0.0	0.0	0.0	22.2
168	17476875.30	4753661.98	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.5	4.1	-1.2	0.0	0.0	0.0	0.0	0.0	16.9
168	17476875.30	4753661.98	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.5	13.8	-1.2	0.0	0.0	0.0	0.0	0.0	1.9
168	17476875.30	4753661.98	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.5	49.2	-1.2	0.0	0.0	0.0	0.0	0.0	-39.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
171	17476804.11	4754208.80	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	60.5	0.0	-3.0	0.0	0.0	3.1	0.0	0.0	3.1
171	17476804.11	4754208.80	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	60.5	0.1	0.4	0.0	0.0	3.6	0.0	0.0	15.2
171	17476804.11	4754208.80	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	60.5	0.3	0.0	0.0	0.0	4.4	0.0	0.0	15.2
171	17476804.11	4754208.80	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	60.5	0.6	0.0	0.0	0.0	5.1	0.0	0.0	17.6
171	17476804.11	4754208.80	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	60.5	1.1	-0.0	0.0	0.0	6.0	0.0	0.0	15.4
171	17476804.11	4754208.80	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	60.5	2.9	-0.0	0.0	0.0	7.3	0.0	0.0	9.5
171	17476804.11	4754208.80	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	60.5	9.8	-0.0	0.0	0.0	9.0	0.0	0.0	-4.3
171	17476804.11	4754208.80	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	60.5	35.0	-0.0	0.0	0.0	11.1	0.0	0.0	-37.7

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
175	17476896.71	4753666.74	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.7	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	6.1
175	17476896.71	4753666.74	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.7	0.2	-1.3	0.0	0.0	0.0	0.0	0.0	20.4
175	17476896.71	4753666.74	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.7	0.5	-1.5	0.0	0.0	0.0	0.0	0.0	20.8
175	17476896.71	4753666.74	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.7	0.8	-1.5	0.0	0.0	0.0	0.0	0.0	20.8
175	17476896.71	4753666.74	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.7	1.6	-1.5	0.0	0.0	0.0	0.0	0.0	22.3
175	17476896.71	4753666.74	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.7	4.2	-1.5	0.0	0.0	0.0	0.0	0.0	16.9
175	17476896.71	4753666.74	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.7	14.1	-1.5	0.0	0.0	0.0	0.0	0.0	1.7
175	17476896.71	4753666.74	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.7	50.4	-1.5	0.0	0.0	0.0	0.0	0.0	-40.7

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
179	17476802.00	4754220.93	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	60.8	0.0	-3.0	0.0	0.0	3.1	0.0	0.0	2.9
179	17476802.00	4754220.93	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	60.8	0.1	0.4	0.0	0.0	3.6	0.0	0.0	15.0
179	17476802.00	4754220.93	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	60.8	0.3	0.0	0.0	0.0	4.4	0.0	0.0	14.9
179	17476802.00	4754220.93	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	60.8	0.6	0.0	0.0	0.0	5.2	0.0	0.0	17.3
179	17476802.00	4754220.93	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	60.8	1.1	0.0	0.0	0.0	6.2	0.0	0.0	15.0
179	17476802.00	4754220.93	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	60.8	3.0	0.0	0.0	0.0	7.5	0.0	0.0	9.0
179	17476802.00	4754220.93	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	60.8	10.1	0.0	0.0	0.0	9.3	0.0	0.0	-5.2
179	17476802.00	4754220.93	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	60.8	35.9	0.0	0.0	0.0	11.5	0.0	0.0	-39.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
189	17476817.92	4754211.44	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	60.8	0.0	-3.0	0.0	0.0	3.1	0.0	0.0	2.8
189	17476817.92	4754211.44	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	60.8	0.1	0.4	0.0	0.0	3.6	0.0	0.0	14.9
189	17476817.92	4754211.44	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	60.8	0.3	0.0	0.0	0.0	4.3	0.0	0.0	14.9
189	17476817.92	4754211.44	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	60.8	0.6	0.0	0.0	0.0	5.0	0.0	0.0	17.3

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
189	17476817.92	4754211.44	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	60.8	1.1	-0.0	0.0	0.0	5.9	0.0	0.0	15.2
189	17476817.92	4754211.44	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	60.8	3.0	-0.0	0.0	0.0	7.0	0.0	0.0	9.3
189	17476817.92	4754211.44	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	60.8	10.2	-0.0	0.0	0.0	8.7	0.0	0.0	-4.7
189	17476817.92	4754211.44	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	60.8	36.3	-0.0	0.0	0.0	10.7	0.0	0.0	-39.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
194	17476864.97	4753808.27	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	60.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	5.8
194	17476864.97	4753808.27	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	60.9	0.1	-1.3	0.0	0.0	0.0	0.0	0.0	20.2
194	17476864.97	4753808.27	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	60.9	0.3	-1.5	0.0	0.0	0.0	0.0	0.0	20.7
194	17476864.97	4753808.27	9.00	0	D	500	83.8	0.0	0.0	0.0	-3.0	60.9	0.6	-1.5	0.0	0.0	0.0	0.0	0.0	20.8
194	17476864.97	4753808.27	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	60.9	1.1	-1.5	0.0	0.0	0.0	0.0	0.0	22.4
194	17476864.97	4753808.27	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	60.9	3.0	-1.5	0.0	0.0	0.0	0.0	0.0	17.8
194	17476864.97	4753808.27	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	60.9	10.3	-1.5	0.0	0.0	0.0	0.0	0.0	5.3
194	17476864.97	4753808.27	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	60.9	36.7	-1.5	0.0	0.0	0.0	0.0	0.0	-27.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
197	17476881.29	4753635.90	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	64.0	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	5.8
197	17476881.29	4753635.90	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	64.0	0.2	-1.0	0.0	0.0	0.0	0.0	0.0	19.7
197	17476881.29	4753635.90	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	64.0	0.5	-1.2	0.0	0.0	0.0	0.0	0.0	20.2
197	17476881.29	4753635.90	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	64.0	0.9	-1.2	0.0	0.0	0.0	0.0	0.0	20.2
197	17476881.29	4753635.90	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	64.0	1.6	-1.2	0.0	0.0	0.0	0.0	0.0	21.6
197	17476881.29	4753635.90	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	64.0	4.3	-1.2	0.0	0.0	0.0	0.0	0.0	16.2
197	17476881.29	4753635.90	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	64.0	14.6	-1.2	0.0	0.0	0.0	0.0	0.0	0.7
197	17476881.29	4753635.90	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	64.0	52.0	-1.2	0.0	0.0	0.0	0.0	0.0	-42.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
201	17476902.38	4753640.73	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	64.2	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	5.6
201	17476902.38	4753640.73	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	64.2	0.2	-1.4	0.0	0.0	0.0	0.0	0.0	19.9
201	17476902.38	4753640.73	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	64.2	0.5	-1.6	0.0	0.0	0.0	0.0	0.0	20.3
201	17476902.38	4753640.73	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	64.2	0.9	-1.6	0.0	0.0	0.0	0.0	0.0	20.3
201	17476902.38	4753640.73	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	64.2	1.7	-1.6	0.0	0.0	0.0	0.0	0.0	21.7
201	17476902.38	4753640.73	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	64.2	4.4	-1.6	0.0	0.0	0.0	0.0	0.0	16.2
201	17476902.38	4753640.73	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	64.2	14.9	-1.6	0.0	0.0	0.0	0.0	0.0	0.5
201	17476902.38	4753640.73	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	64.2	53.1	-1.6	0.0	0.0	0.0	0.0	0.0	-43.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
208	17476868.38	4753793.87	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	61.2	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	5.5
208	17476868.38	4753793.87	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	61.2	0.1	-1.4	0.0	0.0	0.0	0.0	0.0	19.9
208	17476868.38	4753793.87	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	61.2	0.3	-1.5	0.0	0.0	0.0	0.0	0.0	20.4
208	17476868.38	4753793.87	9.00	0	D	500	83.8	0.0	0.0	0.0	-3.0	61.2	0.6	-1.6	0.0	0.0	0.0	0.0	0.0	20.5
208	17476868.38	4753793.87	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	61.2	1.2	-1.6	0.0	0.0	0.0	0.0	0.0	22.1
208	17476868.38	4753793.87	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	61.2	3.1	-1.6	0.0	0.0	0.0	0.0	0.0	17.4
208	17476868.38	4753793.87	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	61.2	10.7	-1.6	0.0	0.0	0.0	0.0	0.0	4.7
208	17476868.38	4753793.87	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	61.2	38.0	-1.6	0.0	0.0	0.0	0.0	0.0	-28.8

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
212	17476410.96	4753916.67	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	57.4	0.4	-1.0	0.0	0.0	10.4	0.0	0.0	14.6

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
215	17476794.07	4754000.64	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	56.6	0.4	-1.0	0.0	0.0	0.0	0.0	0.0	26.0

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Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
217	17476796.39	4754000.84	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	56.7	0.4	-1.0	0.0	0.0	0.0	0.0	0.0	25.9

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
222	17476805.97	4754003.08	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	57.1	0.4	-1.1	0.0	0.0	0.0	0.0	0.0	25.6

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
226	17476424.17	4753915.66	13.50	0	D	500	81.8	0.0	0.0	0.0	-3.0	56.9	0.4	-1.1	0.0	0.0	10.2	0.0	0.0	12.4

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
229	17476811.72	4753999.05	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	57.3	0.4	-1.2	0.0	0.0	0.0	0.0	0.0	25.5

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
233	17476822.10	4754005.40	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	57.8	0.4	-1.2	0.0	0.0	0.0	0.0	0.0	25.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
235	17476801.61	4754112.48	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	58.4	0.5	-0.0	0.0	0.0	4.5	0.0	0.0	18.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
239	17476815.56	4754114.90	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	58.9	0.5	-0.0	0.0	0.0	4.5	0.0	0.0	18.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
245	17476823.11	4754116.73	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	59.1	0.5	-0.0	0.0	0.0	4.4	0.0	0.0	18.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
248	17476831.04	4754117.99	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	59.4	0.5	-0.0	0.0	0.0	4.4	0.0	0.0	17.7

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
252	17476838.75	4754119.25	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	59.6	0.5	-0.0	0.0	0.0	4.4	0.0	0.0	17.5

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
254	17476846.88	4754120.40	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	59.9	0.5	-0.0	0.0	0.0	4.4	0.0	0.0	17.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
258	17476806.57	4754195.44	9.00	0	D	500	82.0	0.0	0.0	0.0	0.0	60.3	0.6	0.0	0.0	0.0	5.0	0.0	0.0	16.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
260	17476842.68	4753803.20	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	60.5	0.6	-1.3	0.0	0.0	0.0	0.0	0.0	19.2

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Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
263	17476820.10	4754199.22	9.00	0	D	500	82.0	0.0	0.0	0.0	0.0	60.6	0.6	0.0	0.0	0.0	4.9	0.0	0.0	15.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
267	17476834.52	4753786.13	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	60.6	0.6	-1.2	0.0	0.0	0.0	0.0	0.0	18.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
271	17476846.10	4753788.80	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	60.8	0.6	-1.3	0.0	0.0	0.0	0.0	0.0	18.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
276	17476849.01	4753776.14	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.1	0.6	-1.3	0.0	0.0	0.0	0.0	0.0	18.5

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
282	17476851.34	4753766.81	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.3	0.6	-1.3	0.0	0.0	0.0	0.0	0.0	18.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
287	17476870.94	4753781.42	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.5	0.6	-1.5	0.0	0.0	0.0	0.0	0.0	18.4

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
291	17476853.17	4753756.91	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.5	0.6	-1.2	0.0	0.0	0.0	0.0	0.0	18.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
296	17476873.52	4753772.00	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.7	0.7	-1.5	0.0	0.0	0.0	0.0	0.0	18.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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	17476855.60	4753748.15	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.7	0.7	-1.2	0.0	0.0	0.0	0.0	0.0	17.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
305	17476875.96	4753762.12	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.9	0.7	-1.5	0.0	0.0	0.0	0.0	0.0	17.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
312	17476858.46	4753735.22	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.0	0.7	-1.2	0.0	0.0	0.0	0.0	0.0	17.5

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
318	17476877.81	4753753.40	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.1	0.7	-1.5	0.0	0.0	0.0	0.0	0.0	17.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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	17476861.71	4753721.41	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.3	0.7	-1.2	0.0	0.0	0.0	0.0	0.0	17.2

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
327	17476880.98	4753740.05	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.3	0.7	-1.5	0.0	0.0	0.0	0.0	0.0	17.4

Point Source, ISO 9613, Name: "MUA - Ex Apt", ID: "APT_EX"																				
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)
332	17476598.16	4753891.53	53.50	0	D	63	51.8	0.0	0.0	0.0	0.0	50.6	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	4.2
332	17476598.16	4753891.53	53.50	0	D	125	63.9	0.0	0.0	0.0	0.0	50.6	0.0	-2.1	0.0	0.0	0.0	0.0	0.0	15.4
332	17476598.16	4753891.53	53.50	0	D	250	63.4	0.0	0.0	0.0	0.0	50.6	0.1	-2.1	0.0	0.0	0.0	0.0	0.0	14.9
332	17476598.16	4753891.53	53.50	0	D	500	63.8	0.0	0.0	0.0	0.0	50.6	0.2	-2.1	0.0	0.0	0.0	0.0	0.0	15.2
332	17476598.16	4753891.53	53.50	0	D	1000	64.0	0.0	0.0	0.0	0.0	50.6	0.3	-2.1	0.0	0.0	0.0	0.0	0.0	15.2
332	17476598.16	4753891.53	53.50	0	D	2000	55.2	0.0	0.0	0.0	0.0	50.6	0.9	-2.1	0.0	0.0	0.0	0.0	0.0	5.9
332	17476598.16	4753891.53	53.50	0	D	4000	47.0	0.0	0.0	0.0	0.0	50.6	3.1	-2.1	0.0	0.0	0.0	0.0	0.0	-4.5
332	17476598.16	4753891.53	53.50	0	D	8000	49.9	0.0	0.0	0.0	0.0	50.6	11.1	-2.1	0.0	0.0	0.0	0.0	0.0	-9.6
335	17476598.16	4753891.53	53.50	1	D	500	63.8	0.0	0.0	0.0	0.0	50.9	0.2	-2.0	0.0	0.0	0.0	0.0	1.0	13.7
335	17476598.16	4753891.53	53.50	1	D	1000	64.0	0.0	0.0	0.0	0.0	50.9	0.4	-2.0	0.0	0.0	0.0	0.0	1.0	13.7
335	17476598.16	4753891.53	53.50	1	D	2000	55.2	0.0	0.0	0.0	0.0	50.9	1.0	-2.0	0.0	0.0	0.0	0.0	1.0	4.3
335	17476598.16	4753891.53	53.50	1	D	4000	47.0	0.0	0.0	0.0	0.0	50.9	3.3	-2.0	0.0	0.0	0.0	0.0	1.0	-6.2
335	17476598.16	4753891.53	53.50	1	D	8000	49.9	0.0	0.0	0.0	0.0	50.9	11.6	-2.0	0.0	0.0	0.0	0.0	1.0	-11.6
339	17476598.16	4753891.53	53.50	2	D	1000	64.0	0.0	0.0	0.0	0.0	51.4	0.4	-2.0	0.0	0.0	4.8	0.0	2.0	7.5
339	17476598.16	4753891.53	53.50	2	D	2000	55.2	0.0	0.0	0.0	0.0	51.4	1.0	-2.0	0.0	0.0	4.8	0.0	2.0	-2.0
339	17476598.16	4753891.53	53.50	2	D	4000	47.0	0.0	0.0	0.0	0.0	51.4	3.4	-2.0	0.0	0.0	4.8	0.0	2.0	-12.6
339	17476598.16	4753891.53	53.50	2	D	8000	49.9	0.0	0.0	0.0	0.0	51.4	12.2	-2.0	0.0	0.0	4.8	0.0	2.0	-18.5
341	17476598.16	4753891.53	53.50	1	D	63	51.8	0.0	0.0	0.0	0.0	51.1	0.0	-3.0	0.0	0.0	4.8	0.0	1.0	-2.0
341	17476598.16	4753891.53	53.50	1	D	125	63.9	0.0	0.0	0.0	0.0	51.1	0.0	-2.2	0.0	0.0	4.8	0.0	1.0	9.2
341	17476598.16	4753891.53	53.50	1	D	250	63.4	0.0	0.0	0.0	0.0	51.1	0.1	-2.2	0.0	0.0	4.8	0.0	1.0	8.7
341	17476598.16	4753891.53	53.50	1	D	500	63.8	0.0	0.0	0.0	0.0	51.1	0.2	-2.2	0.0	0.0	4.8	0.0	1.0	9.0
341	17476598.16	4753891.53	53.50	1	D	1000	64.0	0.0	0.0	0.0	0.0	51.1	0.4	-2.2	0.0	0.0	4.8	0.0	1.0	9.0
341	17476598.16	4753891.53	53.50	1	D	2000	55.2	0.0	0.0	0.0	0.0	51.1	1.0	-2.2	0.0	0.0	4.8	0.0	1.0	-0.4
341	17476598.16	4753891.53	53.50	1	D	4000	47.0	0.0	0.0	0.0	0.0	51.1	3.3	-2.2	0.0	0.0	4.8	0.0	1.0	-11.0
341	17476598.16	4753891.53	53.50	1	D	8000	49.9	0.0	0.0	0.0	0.0	51.1	11.8	-2.2	0.0	0.0	4.8	0.0	1.0	-16.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
345	17476883.89	4753726.70	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.6	0.7	-1.5	0.0	0.0	0.0	0.0	0.0	17.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
351	17476868.49	4753565.82	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	64.9	1.0	-0.8	0.0	0.0	0.0	0.0	0.0	13.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
353	17476903.11	4753552.18	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	65.4	1.0	-1.4	0.0	0.0	0.0	0.0	0.0	13.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
357	17476925.88	4753557.22	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	65.6	1.0	-1.7	0.0	0.0	0.0	0.0	0.0	14.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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	17476905.52	4753541.58	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	65.6	1.0	-1.4	0.0	0.0	0.0	0.0	0.0	13.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
364	17476928.50	4753546.41	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	65.7	1.0	-1.7	0.0	0.0	0.0	0.0	0.0	14.0

100% DUTY CYCLE

Receiver
Name: R2 (Grade)
ID: R2_GRADE
X: 17476607.26 m
Y: 4753985.16 m
Z: 5.00 m

Point Source, ISO 9613, Name: "Cooling Tower - Ex Apt", ID: "CT_EX"																				
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	17476616.40	4753887.48	53.30	0	D	63	76.4	0.0	0.0	0.0	0.0	51.8	0.0	-3.0	0.0	0.0	7.4	0.0	0.0	20.3
1	17476616.40	4753887.48	53.30	0	D	125	85.5	0.0	0.0	0.0	0.0	51.8	0.0	-1.2	0.0	0.0	9.2	0.0	0.0	25.7
1	17476616.40	4753887.48	53.30	0	D	250	93.0	0.0	0.0	0.0	0.0	51.8	0.1	-1.8	0.0	0.0	11.4	0.0	0.0	31.5
1	17476616.40	4753887.48	53.30	0	D	500	89.4	0.0	0.0	0.0	0.0	51.8	0.2	-2.0	0.0	0.0	14.0	0.0	0.0	25.5
1	17476616.40	4753887.48	53.30	0	D	1000	88.6	0.0	0.0	0.0	0.0	51.8	0.4	-2.0	0.0	0.0	16.8	0.0	0.0	21.7
1	17476616.40	4753887.48	53.30	0	D	2000	84.8	0.0	0.0	0.0	0.0	51.8	1.1	-2.0	0.0	0.0	19.7	0.0	0.0	14.4
1	17476616.40	4753887.48	53.30	0	D	4000	82.6	0.0	0.0	0.0	0.0	51.8	3.6	-2.0	0.0	0.0	20.0	0.0	0.0	9.4
1	17476616.40	4753887.48	53.30	0	D	8000	79.5	0.0	0.0	0.0	0.0	51.8	12.8	-2.0	0.0	0.0	20.0	0.0	0.0	-3.0

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
4	17476458.73	4753965.13	14.00	0	D	63	66.8	0.0	0.0	0.0	0.0	54.5	0.0	-3.0	0.0	0.0	12.6	0.0	0.0	2.6
4	17476458.73	4753965.13	14.00	0	D	125	82.9	0.0	0.0	0.0	0.0	54.5	0.1	2.1	0.0	0.0	15.1	0.0	0.0	11.0
4	17476458.73	4753965.13	14.00	0	D	250	83.4	0.0	0.0	0.0	0.0	54.5	0.2	0.4	0.0	0.0	17.9	0.0	0.0	10.5
4	17476458.73	4753965.13	14.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	54.5	0.3	-0.4	0.0	0.0	20.1	0.0	0.0	9.2
4	17476458.73	4753965.13	14.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	54.5	0.5	-0.4	0.0	0.0	21.9	0.0	0.0	9.4
4	17476458.73	4753965.13	14.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	54.5	1.5	-0.4	0.0	0.0	23.2	0.0	0.0	4.4
4	17476458.73	4753965.13	14.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	54.5	4.9	-0.4	0.0	0.0	24.0	0.0	0.0	-5.1
4	17476458.73	4753965.13	14.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	54.5	17.5	-0.4	0.0	0.0	24.5	0.0	0.0	-24.3

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
9	17476442.58	4753918.62	13.50	0	D	63	66.8	0.0	0.0	0.0	0.0	56.0	0.0	-3.0	0.0	0.0	17.5	0.0	0.0	-3.7
9	17476442.58	4753918.62	13.50	0	D	125	82.9	0.0	0.0	0.0	0.0	56.0	0.1	0.4	0.0	0.0	20.6	0.0	0.0	5.9
9	17476442.58	4753918.62	13.50	0	D	250	83.4	0.0	0.0	0.0	0.0	56.0	0.2	-0.8	0.0	0.0	22.5	0.0	0.0	5.5
9	17476442.58	4753918.62	13.50	0	D	500	86.8	0.0	0.0	0.0	-3.0	56.0	0.3	-1.3	0.0	0.0	23.6	0.0	0.0	5.1
9	17476442.58	4753918.62	13.50	0	D	1000	86.0	0.0	0.0	0.0	0.0	56.0	0.7	-1.3	0.0	0.0	24.2	0.0	0.0	6.4
9	17476442.58	4753918.62	13.50	0	D	2000	83.2	0.0	0.0	0.0	0.0	56.0	1.7	-1.3	0.0	0.0	24.6	0.0	0.0	2.1
9	17476442.58	4753918.62	13.50	0	D	4000	78.0	0.0	0.0	0.0	0.0	56.0	5.8	-1.3	0.0	0.0	24.8	0.0	0.0	-7.4
9	17476442.58	4753918.62	13.50	0	D	8000	71.9	0.0	0.0	0.0	0.0	56.0	20.8	-1.3	0.0	0.0	24.9	0.0	0.0	-28.5

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
13	17476787.61	4753973.27	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	56.1	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	13.6
13	17476787.61	4753973.27	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	56.1	0.1	1.9	0.0	0.0	0.0	0.0	0.0	24.8
13	17476787.61	4753973.27	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	56.1	0.2	-0.1	0.0	0.0	0.0	0.0	0.0	27.2
13	17476787.61	4753973.27	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	56.1	0.3	-0.8	0.0	0.0	0.0	0.0	0.0	28.1
13	17476787.61	4753973.27	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	56.1	0.7	-0.8	0.0	0.0	0.0	0.0	0.0	30.0
13	17476787.61	4753973.27	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	56.1	1.7	-0.8	0.0	0.0	0.0	0.0	0.0	26.1
13	17476787.61	4753973.27	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	56.1	5.9	-0.8	0.0	0.0	0.0	0.0	0.0	16.7
13	17476787.61	4753973.27	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	56.1	21.1	-0.8	0.0	0.0	0.0	0.0	0.0	-4.6

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
17	17476437.68	4753917.94	13.50	0	D	63	66.8	0.0	0.0	0.0	0.0	56.2	0.0	-3.0	0.0	0.0	17.5	0.0	0.0	-4.0
17	17476437.68	4753917.94	13.50	0	D	125	82.9	0.0	0.0	0.0	0.0	56.2	0.1	0.3	0.0	0.0	20.7	0.0	0.0	5.6
17	17476437.68	4753917.94	13.50	0	D	250	83.4	0.0	0.0	0.0	0.0	56.2	0.2	-0.8	0.0	0.0	22.5	0.0	0.0	5.3
17	17476437.68	4753917.94	13.50	0	D	500	86.8	0.0	0.0	0.0	-3.0	56.2	0.4	-1.3	0.0	0.0	23.6	0.0	0.0	4.9
17	17476437.68	4753917.94	13.50	0	D	1000	86.0	0.0	0.0	0.0	0.0	56.2	0.7	-1.3	0.0	0.0	24.2	0.0	0.0	6.1

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
17	17476437.68	4753917.94	13.50	0	D	2000	83.2	0.0	0.0	0.0	0.0	56.2	1.8	-1.3	0.0	0.0	24.6	0.0	0.0	1.9
17	17476437.68	4753917.94	13.50	0	D	4000	78.0	0.0	0.0	0.0	0.0	56.2	6.0	-1.3	0.0	0.0	24.8	0.0	0.0	-7.7
17	17476437.68	4753917.94	13.50	0	D	8000	71.9	0.0	0.0	0.0	0.0	56.2	21.3	-1.3	0.0	0.0	24.9	0.0	0.0	-29.3

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
20	17476419.73	4753957.95	14.00	0	D	63	66.8	0.0	0.0	0.0	0.0	56.6	0.0	-3.0	0.0	0.0	19.7	0.0	0.0	-6.5
20	17476419.73	4753957.95	14.00	0	D	125	82.9	0.0	0.0	0.0	0.0	56.6	0.1	2.1	0.0	0.0	20.8	0.0	0.0	3.3
20	17476419.73	4753957.95	14.00	0	D	250	83.4	0.0	0.0	0.0	0.0	56.6	0.2	0.3	0.0	0.0	23.1	0.0	0.0	3.3
20	17476419.73	4753957.95	14.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	56.6	0.4	-0.4	0.0	0.0	24.0	0.0	0.0	3.3
20	17476419.73	4753957.95	14.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	56.6	0.7	-0.4	0.0	0.0	24.5	0.0	0.0	4.7
20	17476419.73	4753957.95	14.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	56.6	1.8	-0.4	0.0	0.0	24.7	0.0	0.0	0.5
20	17476419.73	4753957.95	14.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	56.6	6.2	-0.4	0.0	0.0	24.9	0.0	0.0	-9.2
20	17476419.73	4753957.95	14.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	56.6	22.2	-0.4	0.0	0.0	24.9	0.0	0.0	-31.3

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
25	17476796.53	4753934.12	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	56.8	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	12.9
25	17476796.53	4753934.12	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	56.8	0.1	2.0	0.0	0.0	0.0	0.0	0.0	24.0
25	17476796.53	4753934.12	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	56.8	0.2	-0.0	0.0	0.0	0.0	0.0	0.0	26.4
25	17476796.53	4753934.12	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	56.8	0.4	-0.8	0.0	0.0	0.0	0.0	0.0	27.3
25	17476796.53	4753934.12	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	56.8	0.7	-0.8	0.0	0.0	0.0	0.0	0.0	29.2
25	17476796.53	4753934.12	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	56.8	1.9	-0.8	0.0	0.0	0.0	0.0	0.0	25.2
25	17476796.53	4753934.12	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	56.8	6.4	-0.8	0.0	0.0	0.0	0.0	0.0	15.5
25	17476796.53	4753934.12	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	56.8	22.9	-0.8	0.0	0.0	0.0	0.0	0.0	-7.1

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
27	17476804.19	4753969.37	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	56.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	12.9
27	17476804.19	4753969.37	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	56.9	0.1	1.9	0.0	0.0	0.0	0.0	0.0	24.0
27	17476804.19	4753969.37	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	56.9	0.2	-0.1	0.0	0.0	0.0	0.0	0.0	26.4
27	17476804.19	4753969.37	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	56.9	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	27.4
27	17476804.19	4753969.37	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	56.9	0.7	-0.9	0.0	0.0	0.0	0.0	0.0	29.2
27	17476804.19	4753969.37	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	56.9	1.9	-0.9	0.0	0.0	0.0	0.0	0.0	25.2
27	17476804.19	4753969.37	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	56.9	6.5	-0.9	0.0	0.0	0.0	0.0	0.0	15.5
27	17476804.19	4753969.37	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	56.9	23.1	-0.9	0.0	0.0	0.0	0.0	0.0	-7.3

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
30	17476447.04	4753956.22	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	55.2	0.0	-3.0	0.0	0.0	19.2	0.0	0.0	-6.7
30	17476447.04	4753956.22	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	55.2	0.1	1.6	0.0	0.0	21.3	0.0	0.0	2.6
30	17476447.04	4753956.22	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	55.2	0.2	0.0	0.0	0.0	23.4	0.0	0.0	2.5
30	17476447.04	4753956.22	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	55.2	0.3	-0.6	0.0	0.0	24.1	0.0	0.0	2.7
30	17476447.04	4753956.22	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	55.2	0.6	-0.6	0.0	0.0	24.6	0.0	0.0	4.2
30	17476447.04	4753956.22	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	55.2	1.6	-0.6	0.0	0.0	24.8	0.0	0.0	0.2
30	17476447.04	4753956.22	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	55.2	5.3	-0.6	0.0	0.0	24.9	0.0	0.0	-8.8
30	17476447.04	4753956.22	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	55.2	19.1	-0.6	0.0	0.0	24.9	0.0	0.0	-28.7

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
39	17476446.52	4753920.57	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	55.8	0.0	-3.0	0.0	0.0	17.6	0.0	0.0	-5.6
39	17476446.52	4753920.57	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	55.8	0.1	0.3	0.0	0.0	20.8	0.0	0.0	4.0
39	17476446.52	4753920.57	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	55.8	0.2	-0.8	0.0	0.0	22.6	0.0	0.0	3.6
39	17476446.52	4753920.57	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	55.8	0.3	-1.3	0.0	0.0	23.6	0.0	0.0	3.3
39	17476446.52	4753920.57	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	55.8	0.6	-1.3	0.0	0.0	24.3	0.0	0.0	4.6
39	17476446.52	4753920.57	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	55.8	1.7	-1.3	0.0	0.0	24.6	0.0	0.0	0.4
39	17476446.52	4753920.57	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	55.8	5.7	-1.3	0.0	0.0	24.8	0.0	0.0	-9.0
39	17476446.52	4753920.57	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	55.8	20.3	-1.3	0.0	0.0	24.9	0.0	0.0	-29.8

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
42	17476827.48	4753982.17	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	57.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	11.9
42	17476827.48	4753982.17	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	57.9	0.1	1.7	0.0	0.0	0.0	0.0	0.0	23.2
42	17476827.48	4753982.17	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	57.9	0.2	-0.2	0.0	0.0	0.0	0.0	0.0	25.6
42	17476827.48	4753982.17	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	57.9	0.4	-1.0	0.0	0.0	0.0	0.0	0.0	26.5
42	17476827.48	4753982.17	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	57.9	0.8	-1.0	0.0	0.0	0.0	0.0	0.0	28.3
42	17476827.48	4753982.17	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	57.9	2.1	-1.0	0.0	0.0	0.0	0.0	0.0	24.2
42	17476827.48	4753982.17	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	57.9	7.2	-1.0	0.0	0.0	0.0	0.0	0.0	13.9
42	17476827.48	4753982.17	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	57.9	25.7	-1.0	0.0	0.0	0.0	0.0	0.0	-10.7

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
45	17476806.08	4753881.83	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	58.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	11.8
45	17476806.08	4753881.83	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	58.0	0.1	1.9	0.0	0.0	0.0	0.0	0.0	22.9
45	17476806.08	4753881.83	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	58.0	0.2	-0.1	0.0	0.0	0.0	0.0	0.0	25.2
45	17476806.08	4753881.83	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	58.0	0.4	-0.8	0.0	0.0	0.0	0.0	0.0	26.1
45	17476806.08	4753881.83	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	58.0	0.8	-0.8	0.0	0.0	0.0	0.0	0.0	28.0
45	17476806.08	4753881.83	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	58.0	2.2	-0.8	0.0	0.0	0.0	0.0	0.0	23.8
45	17476806.08	4753881.83	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	58.0	7.3	-0.8	0.0	0.0	0.0	0.0	0.0	13.4
45	17476806.08	4753881.83	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	58.0	26.2	-0.8	0.0	0.0	0.0	0.0	0.0	-11.5

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
55	17476818.25	4753908.38	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	58.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	11.7
55	17476818.25	4753908.38	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	58.0	0.1	1.9	0.0	0.0	0.0	0.0	0.0	22.9
55	17476818.25	4753908.38	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	58.0	0.2	-0.1	0.0	0.0	0.0	0.0	0.0	25.3
55	17476818.25	4753908.38	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	58.0	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	26.2
55	17476818.25	4753908.38	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	58.0	0.8	-0.9	0.0	0.0	0.0	0.0	0.0	28.0
55	17476818.25	4753908.38	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	58.0	2.2	-0.9	0.0	0.0	0.0	0.0	0.0	23.9
55	17476818.25	4753908.38	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	58.0	7.4	-0.9	0.0	0.0	0.0	0.0	0.0	13.5
55	17476818.25	4753908.38	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	58.0	26.2	-0.9	0.0	0.0	0.0	0.0	0.0	-11.5

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
59	17476832.83	4753957.31	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	58.1	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	11.6
59	17476832.83	4753957.31	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	58.1	0.1	1.8	0.0	0.0	0.0	0.0	0.0	22.9
59	17476832.83	4753957.31	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	58.1	0.2	-0.2	0.0	0.0	0.0	0.0	0.0	25.3
59	17476832.83	4753957.31	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	58.1	0.4	-1.0	0.0	0.0	0.0	0.0	0.0	26.2
59	17476832.83	4753957.31	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	58.1	0.8	-1.0	0.0	0.0	0.0	0.0	0.0	28.0
59	17476832.83	4753957.31	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	58.1	2.2	-1.0	0.0	0.0	0.0	0.0	0.0	23.8
59	17476832.83	4753957.31	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	58.1	7.4	-1.0	0.0	0.0	0.0	0.0	0.0	13.4
59	17476832.83	4753957.31	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	58.1	26.6	-1.0	0.0	0.0	0.0	0.0	0.0	-11.8

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
63	17476839.12	4753930.56	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	58.5	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	11.2
63	17476839.12	4753930.56	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	58.5	0.1	1.8	0.0	0.0	0.0	0.0	0.0	22.4
63	17476839.12	4753930.56	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	58.5	0.2	-0.2	0.0	0.0	0.0	0.0	0.0	24.8
63	17476839.12	4753930.56	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	58.5	0.5	-0.9	0.0	0.0	0.0	0.0	0.0	25.7
63	17476839.12	4753930.56	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	58.5	0.9	-0.9	0.0	0.0	0.0	0.0	0.0	27.5
63	17476839.12	4753930.56	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	58.5	2.3	-0.9	0.0	0.0	0.0	0.0	0.0	23.3
63	17476839.12	4753930.56	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	58.5	7.8	-0.9	0.0	0.0	0.0	0.0	0.0	12.6
63	17476839.12	4753930.56	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	58.5	27.8	-0.9	0.0	0.0	0.0	0.0	0.0	-13.5

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
68	17476828.11	4753865.78	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	59.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	10.8
68	17476828.11	4753865.78	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	59.0	0.1	1.8	0.0	0.0	0.0	0.0	0.0	22.0
68	17476828.11	4753865.78	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	59.0	0.3	-0.2	0.0	0.0	0.0	0.0	0.0	24.3
68	17476828.11	4753865.78	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	59.0	0.5	-0.9	0.0	0.0	0.0	0.0	0.0	25.2

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
68	17476828.11	4753865.78	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	59.0	0.9	-0.9	0.0	0.0	0.0	0.0	0.0	27.0
68	17476828.11	4753865.78	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	59.0	2.4	-0.9	0.0	0.0	0.0	0.0	0.0	22.7
68	17476828.11	4753865.78	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	59.0	8.2	-0.9	0.0	0.0	0.0	0.0	0.0	11.7
68	17476828.11	4753865.78	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	59.0	29.3	-0.9	0.0	0.0	0.0	0.0	0.0	-15.5

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
73	17476417.62	4753917.09	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	57.1	0.0	-3.0	0.0	0.0	18.6	0.0	0.0	-7.9
73	17476417.62	4753917.09	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	57.1	0.1	0.3	0.0	0.0	21.9	0.0	0.0	1.5
73	17476417.62	4753917.09	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	57.1	0.2	-0.8	0.0	0.0	23.3	0.0	0.0	1.6
73	17476417.62	4753917.09	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	57.1	0.4	-1.3	0.0	0.0	24.1	0.0	0.0	1.5
73	17476417.62	4753917.09	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	57.1	0.7	-1.3	0.0	0.0	24.5	0.0	0.0	2.9
73	17476417.62	4753917.09	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	57.1	1.9	-1.3	0.0	0.0	24.7	0.0	0.0	-1.3
73	17476417.62	4753917.09	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	57.1	6.6	-1.3	0.0	0.0	24.9	0.0	0.0	-11.3
73	17476417.62	4753917.09	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	57.1	23.6	-1.3	0.0	0.0	24.9	0.0	0.0	-34.4

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
77	17476846.99	4753896.52	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	59.2	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	10.6
77	17476846.99	4753896.52	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	59.2	0.1	1.8	0.0	0.0	0.0	0.0	0.0	21.9
77	17476846.99	4753896.52	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	59.2	0.3	-0.2	0.0	0.0	0.0	0.0	0.0	24.2
77	17476846.99	4753896.52	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	59.2	0.5	-1.0	0.0	0.0	0.0	0.0	0.0	25.1
77	17476846.99	4753896.52	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	59.2	0.9	-1.0	0.0	0.0	0.0	0.0	0.0	26.9
77	17476846.99	4753896.52	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	59.2	2.5	-1.0	0.0	0.0	0.0	0.0	0.0	22.5
77	17476846.99	4753896.52	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	59.2	8.4	-1.0	0.0	0.0	0.0	0.0	0.0	11.4
77	17476846.99	4753896.52	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	59.2	29.9	-1.0	0.0	0.0	0.0	0.0	0.0	-16.2

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
81	17476397.75	4753950.89	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	57.5	0.0	-3.0	0.0	0.0	19.8	0.0	0.0	-9.6
81	17476397.75	4753950.89	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	57.5	0.1	2.0	0.0	0.0	21.3	0.0	0.0	-0.0
81	17476397.75	4753950.89	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	57.5	0.2	0.3	0.0	0.0	23.4	0.0	0.0	-0.0
81	17476397.75	4753950.89	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	57.5	0.4	-0.5	0.0	0.0	24.2	0.0	0.0	0.1
81	17476397.75	4753950.89	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	57.5	0.8	-0.5	0.0	0.0	24.6	0.0	0.0	1.5
81	17476397.75	4753950.89	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	57.5	2.1	-0.5	0.0	0.0	24.8	0.0	0.0	-2.7
81	17476397.75	4753950.89	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	57.5	7.0	-0.5	0.0	0.0	24.9	0.0	0.0	-13.0
81	17476397.75	4753950.89	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	57.5	24.8	-0.5	0.0	0.0	24.9	0.0	0.0	-37.0

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
85	17476852.55	4753871.66	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	59.6	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	10.1
85	17476852.55	4753871.66	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	59.6	0.1	1.7	0.0	0.0	0.0	0.0	0.0	21.5
85	17476852.55	4753871.66	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	59.6	0.3	-0.3	0.0	0.0	0.0	0.0	0.0	23.8
85	17476852.55	4753871.66	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	59.6	0.5	-1.0	0.0	0.0	0.0	0.0	0.0	24.6
85	17476852.55	4753871.66	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	59.6	1.0	-1.0	0.0	0.0	0.0	0.0	0.0	26.4
85	17476852.55	4753871.66	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	59.6	2.6	-1.0	0.0	0.0	0.0	0.0	0.0	22.0
85	17476852.55	4753871.66	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	59.6	8.9	-1.0	0.0	0.0	0.0	0.0	0.0	10.5
85	17476852.55	4753871.66	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	59.6	31.6	-1.0	0.0	0.0	0.0	0.0	0.0	-18.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
89	17476799.07	4754181.61	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	59.8	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	5.2
89	17476799.07	4754181.61	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	59.8	0.1	3.5	0.0	0.0	4.9	0.0	0.0	14.6
89	17476799.07	4754181.61	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	59.8	0.3	0.9	0.0	0.0	5.3	0.0	0.0	17.1
89	17476799.07	4754181.61	9.00	0	D	500	86.8	0.0	0.0	0.0	0.0	59.8	0.5	0.0	0.0	0.0	6.0	0.0	0.0	20.5
89	17476799.07	4754181.61	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	59.8	1.0	0.0	0.0	0.0	7.0	0.0	0.0	18.2
89	17476799.07	4754181.61	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	59.8	2.7	-0.0	0.0	0.0	8.7	0.0	0.0	12.1
89	17476799.07	4754181.61	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	59.8	9.0	-0.0	0.0	0.0	10.7	0.0	0.0	-1.5
89	17476799.07	4754181.61	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	59.8	32.1	-0.0	0.0	0.0	13.0	0.0	0.0	-33.0

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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	17476441.32	4753960.17	13.50	0	D	63	61.8	0.0	0.0	0.0	0.0	55.5	0.0	-3.0	0.0	0.0	19.8	0.0	0.0	-10.6
95	17476441.32	4753960.17	13.50	0	D	125	77.9	0.0	0.0	0.0	0.0	55.5	0.1	2.0	0.0	0.0	21.1	0.0	0.0	-0.7
95	17476441.32	4753960.17	13.50	0	D	250	78.4	0.0	0.0	0.0	0.0	55.5	0.2	0.2	0.0	0.0	23.2	0.0	0.0	-0.7
95	17476441.32	4753960.17	13.50	0	D	500	81.8	0.0	0.0	0.0	-3.0	55.5	0.3	-0.5	0.0	0.0	24.1	0.0	0.0	-0.7
95	17476441.32	4753960.17	13.50	0	D	1000	81.0	0.0	0.0	0.0	0.0	55.5	0.6	-0.5	0.0	0.0	24.5	0.0	0.0	0.8
95	17476441.32	4753960.17	13.50	0	D	2000	78.2	0.0	0.0	0.0	0.0	55.5	1.6	-0.5	0.0	0.0	24.8	0.0	0.0	-3.2
95	17476441.32	4753960.17	13.50	0	D	4000	73.0	0.0	0.0	0.0	0.0	55.5	5.5	-0.5	0.0	0.0	24.9	0.0	0.0	-12.4
95	17476441.32	4753960.17	13.50	0	D	8000	66.9	0.0	0.0	0.0	0.0	55.5	19.6	-0.5	0.0	0.0	24.9	0.0	0.0	-32.7

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
104	17476793.19	4754153.93	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	59.0	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	3.0
104	17476793.19	4754153.93	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	59.0	0.1	3.5	0.0	0.0	4.8	0.0	0.0	12.5
104	17476793.19	4754153.93	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	59.0	0.3	0.9	0.0	0.0	5.2	0.0	0.0	15.0
104	17476793.19	4754153.93	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	59.0	0.5	0.0	0.0	0.0	5.7	0.0	0.0	18.6
104	17476793.19	4754153.93	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	59.0	0.9	0.0	0.0	0.0	6.6	0.0	0.0	16.5
104	17476793.19	4754153.93	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	59.0	2.4	0.0	0.0	0.0	8.1	0.0	0.0	10.7
104	17476793.19	4754153.93	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	59.0	8.2	0.0	0.0	0.0	10.0	0.0	0.0	-2.2
104	17476793.19	4754153.93	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	59.0	29.4	0.0	0.0	0.0	12.2	0.0	0.0	-31.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
110	17476877.20	4753606.53	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	64.3	0.1	-3.3	0.0	0.0	0.0	0.0	0.0	7.7
110	17476877.20	4753606.53	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	64.3	0.2	1.6	0.0	0.0	0.0	0.0	0.0	18.8
110	17476877.20	4753606.53	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	64.3	0.5	-0.4	0.0	0.0	0.0	0.0	0.0	20.9
110	17476877.20	4753606.53	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	64.3	0.9	-1.0	0.0	0.0	0.0	0.0	0.0	21.6
110	17476877.20	4753606.53	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	64.3	1.7	-1.0	0.0	0.0	0.0	0.0	0.0	23.0
110	17476877.20	4753606.53	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	64.3	4.5	-1.0	0.0	0.0	0.0	0.0	0.0	17.4
110	17476877.20	4753606.53	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	64.3	15.2	-1.0	0.0	0.0	0.0	0.0	0.0	1.5
110	17476877.20	4753606.53	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	64.3	54.4	-1.0	0.0	0.0	0.0	0.0	0.0	-43.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
116	17476909.61	4753613.98	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	64.6	0.1	-3.4	0.0	0.0	0.0	0.0	0.0	7.5
116	17476909.61	4753613.98	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	64.6	0.2	1.2	0.0	0.0	0.0	0.0	0.0	18.9
116	17476909.61	4753613.98	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	64.6	0.5	-0.7	0.0	0.0	0.0	0.0	0.0	21.0
116	17476909.61	4753613.98	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	64.6	0.9	-1.4	0.0	0.0	0.0	0.0	0.0	21.6
116	17476909.61	4753613.98	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	64.6	1.8	-1.4	0.0	0.0	0.0	0.0	0.0	23.0
116	17476909.61	4753613.98	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	64.6	4.6	-1.4	0.0	0.0	0.0	0.0	0.0	17.3
116	17476909.61	4753613.98	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	64.6	15.7	-1.4	0.0	0.0	0.0	0.0	0.0	1.1
116	17476909.61	4753613.98	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	64.6	56.0	-1.4	0.0	0.0	0.0	0.0	0.0	-45.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
120	17476865.95	4753702.24	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	62.7	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	7.1
120	17476865.95	4753702.24	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	62.7	0.2	1.6	0.0	0.0	0.0	0.0	0.0	18.5
120	17476865.95	4753702.24	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	62.7	0.4	-0.4	0.0	0.0	0.0	0.0	0.0	20.7
120	17476865.95	4753702.24	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	62.7	0.7	-1.0	0.0	0.0	0.0	0.0	0.0	21.4
120	17476865.95	4753702.24	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	62.7	1.4	-1.0	0.0	0.0	0.0	0.0	0.0	22.9
120	17476865.95	4753702.24	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	62.7	3.7	-1.0	0.0	0.0	0.0	0.0	0.0	17.8
120	17476865.95	4753702.24	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	62.7	12.6	-1.0	0.0	0.0	0.0	0.0	0.0	3.8
120	17476865.95	4753702.24	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	62.7	44.8	-1.0	0.0	0.0	0.0	0.0	0.0	-34.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
124	17476882.13	4753584.28	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	64.7	0.1	-3.4	0.0	0.0	0.0	0.0	0.0	7.4
124	17476882.13	4753584.28	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	64.7	0.2	1.5	0.0	0.0	0.0	0.0	0.0	18.5
124	17476882.13	4753584.28	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	64.7	0.5	-0.4	0.0	0.0	0.0	0.0	0.0	20.6
124	17476882.13	4753584.28	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	64.7	0.9	-1.1	0.0	0.0	0.0	0.0	0.0	21.2

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
124	17476882.13	4753584.28	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	64.7	1.8	-1.1	0.0	0.0	0.0	0.0	0.0	22.6
124	17476882.13	4753584.28	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	64.7	4.7	-1.1	0.0	0.0	0.0	0.0	0.0	16.8
124	17476882.13	4753584.28	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	64.7	15.9	-1.1	0.0	0.0	0.0	0.0	0.0	0.4
124	17476882.13	4753584.28	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	64.7	56.8	-1.1	0.0	0.0	0.0	0.0	0.0	-46.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
127	17476887.14	4753708.11	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	62.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	6.8
127	17476887.14	4753708.11	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	62.9	0.2	1.4	0.0	0.0	0.0	0.0	0.0	18.4
127	17476887.14	4753708.11	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	62.9	0.4	-0.5	0.0	0.0	0.0	0.0	0.0	20.6
127	17476887.14	4753708.11	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	62.9	0.8	-1.2	0.0	0.0	0.0	0.0	0.0	21.3
127	17476887.14	4753708.11	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	62.9	1.4	-1.2	0.0	0.0	0.0	0.0	0.0	22.8
127	17476887.14	4753708.11	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	62.9	3.8	-1.2	0.0	0.0	0.0	0.0	0.0	17.7
127	17476887.14	4753708.11	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	62.9	12.9	-1.2	0.0	0.0	0.0	0.0	0.0	3.4
127	17476887.14	4753708.11	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	62.9	46.0	-1.2	0.0	0.0	0.0	0.0	0.0	-35.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
137	17476914.55	4753592.78	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	65.0	0.1	-3.5	0.0	0.0	0.0	0.0	0.0	7.3
137	17476914.55	4753592.78	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	65.0	0.2	1.2	0.0	0.0	0.0	0.0	0.0	18.5
137	17476914.55	4753592.78	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	65.0	0.5	-0.7	0.0	0.0	0.0	0.0	0.0	20.6
137	17476914.55	4753592.78	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	65.0	1.0	-1.4	0.0	0.0	0.0	0.0	0.0	21.3
137	17476914.55	4753592.78	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	65.0	1.8	-1.4	0.0	0.0	0.0	0.0	0.0	22.6
137	17476914.55	4753592.78	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	65.0	4.8	-1.4	0.0	0.0	0.0	0.0	0.0	16.8
137	17476914.55	4753592.78	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	65.0	16.3	-1.4	0.0	0.0	0.0	0.0	0.0	0.1
137	17476914.55	4753592.78	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	65.0	58.3	-1.4	0.0	0.0	0.0	0.0	0.0	-47.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
144	17476869.99	4753684.35	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	6.7
144	17476869.99	4753684.35	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.0	0.2	1.6	0.0	0.0	0.0	0.0	0.0	18.1
144	17476869.99	4753684.35	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.0	0.4	-0.4	0.0	0.0	0.0	0.0	0.0	20.3
144	17476869.99	4753684.35	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.0	0.8	-1.0	0.0	0.0	0.0	0.0	0.0	21.0
144	17476869.99	4753684.35	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.0	1.5	-1.0	0.0	0.0	0.0	0.0	0.0	22.5
144	17476869.99	4753684.35	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.0	3.9	-1.0	0.0	0.0	0.0	0.0	0.0	17.3
144	17476869.99	4753684.35	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.0	13.1	-1.0	0.0	0.0	0.0	0.0	0.0	2.9
144	17476869.99	4753684.35	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.0	46.7	-1.0	0.0	0.0	0.0	0.0	0.0	-36.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
148	17476886.43	4753565.29	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	65.1	0.1	-3.5	0.0	0.0	0.0	0.0	0.0	7.2
148	17476886.43	4753565.29	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	65.1	0.2	1.5	0.0	0.0	0.0	0.0	0.0	18.1
148	17476886.43	4753565.29	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	65.1	0.5	-0.5	0.0	0.0	0.0	0.0	0.0	20.3
148	17476886.43	4753565.29	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	65.1	1.0	-1.1	0.0	0.0	0.0	0.0	0.0	20.9
148	17476886.43	4753565.29	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	65.1	1.8	-1.1	0.0	0.0	0.0	0.0	0.0	22.2
148	17476886.43	4753565.29	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	65.1	4.9	-1.1	0.0	0.0	0.0	0.0	0.0	16.4
148	17476886.43	4753565.29	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	65.1	16.5	-1.1	0.0	0.0	0.0	0.0	0.0	-0.5
148	17476886.43	4753565.29	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	65.1	58.9	-1.1	0.0	0.0	0.0	0.0	0.0	-49.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
155	17476891.60	4753689.80	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.3	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	6.5
155	17476891.60	4753689.80	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.3	0.2	1.3	0.0	0.0	0.0	0.0	0.0	18.2
155	17476891.60	4753689.80	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.3	0.4	-0.6	0.0	0.0	0.0	0.0	0.0	20.3
155	17476891.60	4753689.80	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.3	0.8	-1.2	0.0	0.0	0.0	0.0	0.0	21.0
155	17476891.60	4753689.80	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.3	1.5	-1.2	0.0	0.0	0.0	0.0	0.0	22.5
155	17476891.60	4753689.80	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.3	4.0	-1.2	0.0	0.0	0.0	0.0	0.0	17.2
155	17476891.60	4753689.80	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.3	13.4	-1.2	0.0	0.0	0.0	0.0	0.0	2.5
155	17476891.60	4753689.80	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.3	47.9	-1.2	0.0	0.0	0.0	0.0	0.0	-38.0

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
159	17476919.48	4753572.53	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	65.3	0.1	-3.6	0.0	0.0	0.0	0.0	0.0	7.0
159	17476919.48	4753572.53	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	65.3	0.2	1.2	0.0	0.0	0.0	0.0	0.0	18.2
159	17476919.48	4753572.53	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	65.3	0.5	-0.7	0.0	0.0	0.0	0.0	0.0	20.3
159	17476919.48	4753572.53	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	65.3	1.0	-1.4	0.0	0.0	0.0	0.0	0.0	20.9
159	17476919.48	4753572.53	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	65.3	1.9	-1.4	0.0	0.0	0.0	0.0	0.0	22.2
159	17476919.48	4753572.53	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	65.3	5.0	-1.4	0.0	0.0	0.0	0.0	0.0	16.3
159	17476919.48	4753572.53	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	65.3	17.0	-1.4	0.0	0.0	0.0	0.0	0.0	-0.8
159	17476919.48	4753572.53	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	65.3	60.5	-1.4	0.0	0.0	0.0	0.0	0.0	-50.4

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
164	17476875.30	4753661.98	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.5	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	6.3
164	17476875.30	4753661.98	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.5	0.2	1.5	0.0	0.0	0.0	0.0	0.0	17.7
164	17476875.30	4753661.98	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.5	0.4	-0.4	0.0	0.0	0.0	0.0	0.0	19.9
164	17476875.30	4753661.98	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.5	0.8	-1.1	0.0	0.0	0.0	0.0	0.0	20.6
164	17476875.30	4753661.98	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.5	1.5	-1.1	0.0	0.0	0.0	0.0	0.0	22.1
164	17476875.30	4753661.98	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.5	4.1	-1.1	0.0	0.0	0.0	0.0	0.0	16.7
164	17476875.30	4753661.98	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.5	13.8	-1.1	0.0	0.0	0.0	0.0	0.0	1.8
164	17476875.30	4753661.98	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.5	49.1	-1.1	0.0	0.0	0.0	0.0	0.0	-39.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
169	17476804.11	4754208.80	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	60.5	0.0	-3.0	0.0	0.0	4.9	0.0	0.0	1.4
169	17476804.11	4754208.80	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	60.5	0.1	3.6	0.0	0.0	4.9	0.0	0.0	10.8
169	17476804.11	4754208.80	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	60.5	0.3	0.9	0.0	0.0	5.5	0.0	0.0	13.2
169	17476804.11	4754208.80	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	60.5	0.6	0.0	0.0	0.0	6.2	0.0	0.0	16.5
169	17476804.11	4754208.80	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	60.5	1.1	0.0	0.0	0.0	7.4	0.0	0.0	14.1
169	17476804.11	4754208.80	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	60.5	2.9	0.0	0.0	0.0	9.2	0.0	0.0	7.6
169	17476804.11	4754208.80	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	60.5	9.8	0.0	0.0	0.0	11.3	0.0	0.0	-6.5
169	17476804.11	4754208.80	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	60.5	34.8	0.0	0.0	0.0	13.7	0.0	0.0	-40.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
174	17476896.71	4753666.74	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.7	0.1	-3.1	0.0	0.0	0.0	0.0	0.0	6.1
174	17476896.71	4753666.74	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.7	0.2	1.3	0.0	0.0	0.0	0.0	0.0	17.8
174	17476896.71	4753666.74	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.7	0.4	-0.6	0.0	0.0	0.0	0.0	0.0	19.9
174	17476896.71	4753666.74	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.7	0.8	-1.3	0.0	0.0	0.0	0.0	0.0	20.6
174	17476896.71	4753666.74	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.7	1.6	-1.3	0.0	0.0	0.0	0.0	0.0	22.0
174	17476896.71	4753666.74	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.7	4.2	-1.3	0.0	0.0	0.0	0.0	0.0	16.6
174	17476896.71	4753666.74	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.7	14.1	-1.3	0.0	0.0	0.0	0.0	0.0	1.5
174	17476896.71	4753666.74	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.7	50.3	-1.3	0.0	0.0	0.0	0.0	0.0	-40.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
181	17476802.00	4754220.93	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	60.7	0.0	-3.0	0.0	0.0	4.9	0.0	0.0	1.2
181	17476802.00	4754220.93	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	60.7	0.1	3.6	0.0	0.0	5.0	0.0	0.0	10.5
181	17476802.00	4754220.93	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	60.7	0.3	0.9	0.0	0.0	5.6	0.0	0.0	12.9
181	17476802.00	4754220.93	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	60.7	0.6	0.0	0.0	0.0	6.4	0.0	0.0	16.1
181	17476802.00	4754220.93	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	60.7	1.1	0.0	0.0	0.0	7.6	0.0	0.0	13.6
181	17476802.00	4754220.93	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	60.7	3.0	0.0	0.0	0.0	9.5	0.0	0.0	7.1
181	17476802.00	4754220.93	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	60.7	10.0	0.0	0.0	0.0	11.6	0.0	0.0	-7.4
181	17476802.00	4754220.93	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	60.7	35.7	0.0	0.0	0.0	14.0	0.0	0.0	-41.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
185	17476817.92	4754211.44	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	60.8	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	1.1
185	17476817.92	4754211.44	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	60.8	0.1	3.6	0.0	0.0	4.9	0.0	0.0	10.5
185	17476817.92	4754211.44	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	60.8	0.3	0.9	0.0	0.0	5.4	0.0	0.0	13.0
185	17476817.92	4754211.44	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	60.8	0.6	0.0	0.0	0.0	6.1	0.0	0.0	16.3

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
185	17476817.92	4754211.44	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	60.8	1.1	0.0	0.0	0.0	7.2	0.0	0.0	13.9
185	17476817.92	4754211.44	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	60.8	3.0	0.0	0.0	0.0	8.9	0.0	0.0	7.5
185	17476817.92	4754211.44	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	60.8	10.1	0.0	0.0	0.0	11.0	0.0	0.0	-6.9
185	17476817.92	4754211.44	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	60.8	36.1	0.0	0.0	0.0	13.3	0.0	0.0	-41.4

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
188	17476864.97	4753808.27	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	60.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	5.9
188	17476864.97	4753808.27	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	60.9	0.1	1.2	0.0	0.0	0.0	0.0	0.0	17.7
188	17476864.97	4753808.27	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	60.9	0.3	-0.6	0.0	0.0	0.0	0.0	0.0	19.8
188	17476864.97	4753808.27	9.00	0	D	500	83.8	0.0	0.0	0.0	-3.0	60.9	0.6	-1.2	0.0	0.0	0.0	0.0	0.0	20.5
188	17476864.97	4753808.27	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	60.9	1.1	-1.2	0.0	0.0	0.0	0.0	0.0	22.2
188	17476864.97	4753808.27	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	60.9	3.0	-1.2	0.0	0.0	0.0	0.0	0.0	17.5
188	17476864.97	4753808.27	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	60.9	10.2	-1.2	0.0	0.0	0.0	0.0	0.0	5.1
188	17476864.97	4753808.27	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	60.9	36.5	-1.2	0.0	0.0	0.0	0.0	0.0	-27.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
191	17476881.29	4753635.90	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.9	0.1	-3.2	0.0	0.0	0.0	0.0	0.0	6.0
191	17476881.29	4753635.90	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.9	0.2	1.6	0.0	0.0	0.0	0.0	0.0	17.2
191	17476881.29	4753635.90	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.9	0.5	-0.4	0.0	0.0	0.0	0.0	0.0	19.4
191	17476881.29	4753635.90	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.9	0.9	-1.1	0.0	0.0	0.0	0.0	0.0	20.1
191	17476881.29	4753635.90	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.9	1.6	-1.1	0.0	0.0	0.0	0.0	0.0	21.5
191	17476881.29	4753635.90	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.9	4.3	-1.1	0.0	0.0	0.0	0.0	0.0	16.0
191	17476881.29	4753635.90	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.9	14.5	-1.1	0.0	0.0	0.0	0.0	0.0	0.6
191	17476881.29	4753635.90	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.9	51.9	-1.1	0.0	0.0	0.0	0.0	0.0	-42.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
195	17476902.38	4753640.73	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	64.1	0.1	-3.2	0.0	0.0	0.0	0.0	0.0	5.8
195	17476902.38	4753640.73	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	64.1	0.2	1.2	0.0	0.0	0.0	0.0	0.0	17.3
195	17476902.38	4753640.73	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	64.1	0.5	-0.7	0.0	0.0	0.0	0.0	0.0	19.4
195	17476902.38	4753640.73	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	64.1	0.9	-1.3	0.0	0.0	0.0	0.0	0.0	20.1
195	17476902.38	4753640.73	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	64.1	1.7	-1.3	0.0	0.0	0.0	0.0	0.0	21.5
195	17476902.38	4753640.73	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	64.1	4.4	-1.3	0.0	0.0	0.0	0.0	0.0	16.0
195	17476902.38	4753640.73	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	64.1	14.9	-1.3	0.0	0.0	0.0	0.0	0.0	0.3
195	17476902.38	4753640.73	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	64.1	53.0	-1.3	0.0	0.0	0.0	0.0	0.0	-43.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
199	17476868.38	4753793.87	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	61.2	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	5.6
199	17476868.38	4753793.87	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	61.2	0.1	1.1	0.0	0.0	0.0	0.0	0.0	17.5
199	17476868.38	4753793.87	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	61.2	0.3	-0.7	0.0	0.0	0.0	0.0	0.0	19.5
199	17476868.38	4753793.87	9.00	0	D	500	83.8	0.0	0.0	0.0	-3.0	61.2	0.6	-1.3	0.0	0.0	0.0	0.0	0.0	20.3
199	17476868.38	4753793.87	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	61.2	1.2	-1.3	0.0	0.0	0.0	0.0	0.0	21.9
199	17476868.38	4753793.87	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	61.2	3.1	-1.3	0.0	0.0	0.0	0.0	0.0	17.2
199	17476868.38	4753793.87	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	61.2	10.6	-1.3	0.0	0.0	0.0	0.0	0.0	4.5
199	17476868.38	4753793.87	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	61.2	37.8	-1.3	0.0	0.0	0.0	0.0	0.0	-28.9

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
205	17476410.96	4753916.67	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	57.4	0.4	-1.2	0.0	0.0	24.3	0.0	0.0	0.9

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
207	17476794.07	4754000.64	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	56.5	0.4	-0.7	0.0	0.0	0.0	0.0	0.0	25.9

100% DUTY CYCLE

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
209	17476796.39	4754000.84	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	56.6	0.4	-0.7	0.0	0.0	0.0	0.0	0.0	25.8

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
213	17476805.97	4754003.08	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	57.0	0.4	-0.7	0.0	0.0	0.0	0.0	0.0	25.4

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
216	17476424.17	4753915.66	13.50	0	D	500	81.8	0.0	0.0	0.0	-3.0	56.8	0.4	-1.3	0.0	0.0	23.7	0.0	0.0	-0.8

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
219	17476811.72	4753999.05	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	57.2	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	25.3

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
232	17476822.10	4754005.40	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	57.7	0.4	-0.8	0.0	0.0	0.0	0.0	0.0	24.7

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
238	17476801.61	4754112.48	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	58.3	0.4	-0.0	0.0	0.0	18.5	0.0	0.0	4.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
241	17476815.56	4754114.90	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	58.8	0.5	-0.0	0.0	0.0	13.6	0.0	0.0	9.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
244	17476823.11	4754116.73	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	59.1	0.5	-0.0	0.0	0.0	8.6	0.0	0.0	13.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
251	17476831.04	4754117.99	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	59.3	0.5	-0.1	0.0	0.0	5.0	0.0	0.0	17.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
259	17476838.75	4754119.25	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	59.5	0.5	-0.1	0.0	0.0	5.0	0.0	0.0	17.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
264	17476846.88	4754120.40	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	59.8	0.5	-0.1	0.0	0.0	5.0	0.0	0.0	16.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
273	17476806.57	4754195.44	9.00	0	D	500	82.0	0.0	0.0	0.0	0.0	60.2	0.6	0.0	0.0	0.0	6.1	0.0	0.0	15.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
278	17476842.68	4753803.20	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	60.5	0.6	-1.1	0.0	0.0	0.0	0.0	0.0	19.1

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Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
283	17476820.10	4754199.22	9.00	0	D	500	82.0	0.0	0.0	0.0	0.0	60.6	0.6	0.0	0.0	0.0	6.0	0.0	0.0	14.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
288	17476834.52	4753786.13	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	60.6	0.6	-1.1	0.0	0.0	0.0	0.0	0.0	18.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
293	17476846.10	4753788.80	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	60.8	0.6	-1.1	0.0	0.0	0.0	0.0	0.0	18.7

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
298	17476849.01	4753776.14	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.1	0.6	-1.1	0.0	0.0	0.0	0.0	0.0	18.4

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
303	17476851.34	4753766.81	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.3	0.6	-1.1	0.0	0.0	0.0	0.0	0.0	18.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
307	17476870.94	4753781.42	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.5	0.6	-1.3	0.0	0.0	0.0	0.0	0.0	18.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
310	17476853.17	4753756.91	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.5	0.6	-1.1	0.0	0.0	0.0	0.0	0.0	17.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
314	17476873.52	4753772.00	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.7	0.7	-1.3	0.0	0.0	0.0	0.0	0.0	18.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
320	17476855.60	4753748.15	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.7	0.7	-1.0	0.0	0.0	0.0	0.0	0.0	17.7

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
323	17476875.96	4753762.12	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.9	0.7	-1.2	0.0	0.0	0.0	0.0	0.0	17.7

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
328	17476858.46	4753735.22	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.0	0.7	-1.0	0.0	0.0	0.0	0.0	0.0	17.4

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
333	17476877.81	4753753.40	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.0	0.7	-1.3	0.0	0.0	0.0	0.0	0.0	17.5

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
338	17476861.71	4753721.41	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.3	0.7	-1.0	0.0	0.0	0.0	0.0	0.0	17.0

100% DUTY CYCLE

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Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
342	17476880.98	4753740.05	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.3	0.7	-1.2	0.0	0.0	0.0	0.0	0.0	17.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
352	17476883.89	4753726.70	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.6	0.7	-1.2	0.0	0.0	0.0	0.0	0.0	16.9

Point Source, ISO 9613, Name: "MUA - Ex Apt", ID: "APT_EX"																				
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)
356	17476598.16	4753891.53	53.50	0	D	63	51.8	0.0	0.0	0.0	0.0	51.5	0.0	-3.0	0.0	0.0	5.7	0.0	0.0	-2.4
356	17476598.16	4753891.53	53.50	0	D	125	63.9	0.0	0.0	0.0	0.0	51.5	0.0	-1.4	0.0	0.0	6.5	0.0	0.0	7.3
356	17476598.16	4753891.53	53.50	0	D	250	63.4	0.0	0.0	0.0	0.0	51.5	0.1	-1.9	0.0	0.0	7.7	0.0	0.0	6.0
356	17476598.16	4753891.53	53.50	0	D	500	63.8	0.0	0.0	0.0	0.0	51.5	0.2	-2.1	0.0	0.0	9.4	0.0	0.0	4.8
356	17476598.16	4753891.53	53.50	0	D	1000	64.0	0.0	0.0	0.0	0.0	51.5	0.4	-2.1	0.0	0.0	11.6	0.0	0.0	2.7
356	17476598.16	4753891.53	53.50	0	D	2000	55.2	0.0	0.0	0.0	0.0	51.5	1.0	-2.1	0.0	0.0	14.1	0.0	0.0	-9.3
356	17476598.16	4753891.53	53.50	0	D	4000	47.0	0.0	0.0	0.0	0.0	51.5	3.5	-2.1	0.0	0.0	16.9	0.0	0.0	-22.7
356	17476598.16	4753891.53	53.50	0	D	8000	49.9	0.0	0.0	0.0	0.0	51.5	12.4	-2.1	0.0	0.0	19.7	0.0	0.0	-31.6
358	17476598.16	4753891.53	53.50	1	D	1000	64.0	0.0	0.0	0.0	0.0	51.8	0.4	-2.0	0.0	0.0	11.4	0.0	1.0	1.3
358	17476598.16	4753891.53	53.50	1	D	2000	55.2	0.0	0.0	0.0	0.0	51.8	1.1	-2.0	0.0	0.0	14.0	0.0	1.0	-10.6
358	17476598.16	4753891.53	53.50	1	D	4000	47.0	0.0	0.0	0.0	0.0	51.8	3.6	-2.0	0.0	0.0	16.7	0.0	1.0	-24.1
358	17476598.16	4753891.53	53.50	1	D	8000	49.9	0.0	0.0	0.0	0.0	51.8	12.8	-2.0	0.0	0.0	19.6	0.0	1.0	-33.3
365	17476598.16	4753891.53	53.50	2	D	1000	64.0	0.0	0.0	0.0	0.0	52.2	0.4	-2.0	0.0	0.0	16.1	0.0	2.0	-4.7
365	17476598.16	4753891.53	53.50	2	D	2000	55.2	0.0	0.0	0.0	0.0	52.2	1.1	-2.0	0.0	0.0	19.0	0.0	2.0	-17.1
365	17476598.16	4753891.53	53.50	2	D	4000	47.0	0.0	0.0	0.0	0.0	52.2	3.7	-2.0	0.0	0.0	20.0	0.0	2.0	-28.9
365	17476598.16	4753891.53	53.50	2	D	8000	49.9	0.0	0.0	0.0	0.0	52.2	13.4	-2.0	0.0	0.0	20.0	0.0	2.0	-35.6
371	17476598.16	4753891.53	53.50	1	D	63	51.8	0.0	0.0	0.0	0.0	51.9	0.0	-3.0	0.0	0.0	7.4	0.0	1.0	-5.5
371	17476598.16	4753891.53	53.50	1	D	125	63.9	0.0	0.0	0.0	0.0	51.9	0.0	-1.5	0.0	0.0	9.0	0.0	1.0	3.5
371	17476598.16	4753891.53	53.50	1	D	250	63.4	0.0	0.0	0.0	0.0	51.9	0.1	-2.0	0.0	0.0	11.1	0.0	1.0	1.3
371	17476598.16	4753891.53	53.50	1	D	500	63.8	0.0	0.0	0.0	0.0	51.9	0.2	-2.2	0.0	0.0	13.6	0.0	1.0	-0.7
371	17476598.16	4753891.53	53.50	1	D	1000	64.0	0.0	0.0	0.0	0.0	51.9	0.4	-2.2	0.0	0.0	16.3	0.0	1.0	-3.4
371	17476598.16	4753891.53	53.50	1	D	2000	55.2	0.0	0.0	0.0	0.0	51.9	1.1	-2.2	0.0	0.0	19.1	0.0	1.0	-15.7
371	17476598.16	4753891.53	53.50	1	D	4000	47.0	0.0	0.0	0.0	0.0	51.9	3.6	-2.2	0.0	0.0	20.0	0.0	1.0	-27.3
371	17476598.16	4753891.53	53.50	1	D	8000	49.9	0.0	0.0	0.0	0.0	51.9	13.0	-2.2	0.0	0.0	20.0	0.0	1.0	-33.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
376	17476868.49	4753565.82	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	64.9	1.0	-0.8	0.0	0.0	0.0	0.0	0.0	14.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
380	17476903.11	4753552.18	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	65.4	1.0	-1.3	0.0	0.0	0.0	0.0	0.0	13.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
386	17476925.88	4753557.22	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	65.5	1.0	-1.5	0.0	0.0	0.0	0.0	0.0	13.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
389	17476905.52	4753541.58	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	65.6	1.0	-1.3	0.0	0.0	0.0	0.0	0.0	13.7

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
392	17476928.50	4753546.41	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	65.7	1.0	-1.5	0.0	0.0	0.0	0.0	0.0	13.7

100% DUTY CYCLE

Receiver
Name: R3 (Top)
ID: R3_TOP
X: 17476556.72 m
Y: 4753978.11 m
Z: 40.00 m

Point Source, ISO 9613, Name: "Cooling Tower - Ex Apt", ID: "CT_EX"																				
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)
2	17476616.40	4753887.48	53.30	0	D	63	76.4	0.0	0.0	0.0	0.0	51.8	0.0	-3.0	0.0	0.0	9.8	0.0	0.0	17.8
2	17476616.40	4753887.48	53.30	0	D	125	85.5	0.0	0.0	0.0	0.0	51.8	0.0	-2.2	0.0	0.0	12.4	0.0	0.0	23.5
2	17476616.40	4753887.48	53.30	0	D	250	93.0	0.0	0.0	0.0	0.0	51.8	0.1	-2.2	0.0	0.0	15.2	0.0	0.0	28.2
2	17476616.40	4753887.48	53.30	0	D	500	89.4	0.0	0.0	0.0	0.0	51.8	0.2	-2.2	0.0	0.0	18.0	0.0	0.0	21.7
2	17476616.40	4753887.48	53.30	0	D	1000	88.6	0.0	0.0	0.0	0.0	51.8	0.4	-2.2	0.0	0.0	20.9	0.0	0.0	17.8
2	17476616.40	4753887.48	53.30	0	D	2000	84.8	0.0	0.0	0.0	0.0	51.8	1.1	-2.2	0.0	0.0	23.9	0.0	0.0	10.4
2	17476616.40	4753887.48	53.30	0	D	4000	82.6	0.0	0.0	0.0	0.0	51.8	3.6	-2.2	0.0	0.0	25.0	0.0	0.0	4.5
2	17476616.40	4753887.48	53.30	0	D	8000	79.5	0.0	0.0	0.0	0.0	51.8	12.8	-2.2	0.0	0.0	25.0	0.0	0.0	-7.8

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
5	17476458.73	4753965.13	14.00	0	D	63	66.8	0.0	0.0	0.0	0.0	51.2	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	18.6
5	17476458.73	4753965.13	14.00	0	D	125	82.9	0.0	0.0	0.0	0.0	51.2	0.0	-0.7	0.0	0.0	0.0	0.0	0.0	32.3
5	17476458.73	4753965.13	14.00	0	D	250	83.4	0.0	0.0	0.0	0.0	51.2	0.1	-0.7	0.0	0.0	0.0	0.0	0.0	32.8
5	17476458.73	4753965.13	14.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	51.2	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	33.1
5	17476458.73	4753965.13	14.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	51.2	0.4	-0.7	0.0	0.0	0.0	0.0	0.0	35.1
5	17476458.73	4753965.13	14.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	51.2	1.0	-0.7	0.0	0.0	0.0	0.0	0.0	31.7
5	17476458.73	4753965.13	14.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	51.2	3.3	-0.7	0.0	0.0	0.0	0.0	0.0	24.1
5	17476458.73	4753965.13	14.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	51.2	11.9	-0.7	0.0	0.0	0.0	0.0	0.0	9.4

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
8	17476442.58	4753918.62	13.50	0	D	63	66.8	0.0	0.0	0.0	0.0	53.4	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	16.4
8	17476442.58	4753918.62	13.50	0	D	125	82.9	0.0	0.0	0.0	0.0	53.4	0.1	-1.0	0.0	0.0	0.0	0.0	0.0	30.5
8	17476442.58	4753918.62	13.50	0	D	250	83.4	0.0	0.0	0.0	0.0	53.4	0.1	-1.0	0.0	0.0	0.0	0.0	0.0	30.9
8	17476442.58	4753918.62	13.50	0	D	500	86.8	0.0	0.0	0.0	-3.0	53.4	0.3	-1.0	0.0	0.0	0.0	0.0	0.0	31.2
8	17476442.58	4753918.62	13.50	0	D	1000	86.0	0.0	0.0	0.0	0.0	53.4	0.5	-1.0	0.0	0.0	0.0	0.0	0.0	33.1
8	17476442.58	4753918.62	13.50	0	D	2000	83.2	0.0	0.0	0.0	0.0	53.4	1.3	-1.0	0.0	0.0	0.0	0.0	0.0	29.6
8	17476442.58	4753918.62	13.50	0	D	4000	78.0	0.0	0.0	0.0	0.0	53.4	4.3	-1.0	0.0	0.0	0.0	0.0	0.0	21.3
8	17476442.58	4753918.62	13.50	0	D	8000	71.9	0.0	0.0	0.0	0.0	53.4	15.4	-1.0	0.0	0.0	0.0	0.0	0.0	4.2

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
12	17476437.68	4753917.94	13.50	0	D	63	66.8	0.0	0.0	0.0	0.0	53.7	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	16.1
12	17476437.68	4753917.94	13.50	0	D	125	82.9	0.0	0.0	0.0	0.0	53.7	0.1	-1.0	0.0	0.0	0.0	0.0	0.0	30.1
12	17476437.68	4753917.94	13.50	0	D	250	83.4	0.0	0.0	0.0	0.0	53.7	0.1	-1.0	0.0	0.0	0.0	0.0	0.0	30.6
12	17476437.68	4753917.94	13.50	0	D	500	86.8	0.0	0.0	0.0	-3.0	53.7	0.3	-1.0	0.0	0.0	0.0	0.0	0.0	30.8
12	17476437.68	4753917.94	13.50	0	D	1000	86.0	0.0	0.0	0.0	0.0	53.7	0.5	-1.0	0.0	0.0	0.0	0.0	0.0	32.8
12	17476437.68	4753917.94	13.50	0	D	2000	83.2	0.0	0.0	0.0	0.0	53.7	1.3	-1.0	0.0	0.0	0.0	0.0	0.0	29.2
12	17476437.68	4753917.94	13.50	0	D	4000	78.0	0.0	0.0	0.0	0.0	53.7	4.5	-1.0	0.0	0.0	0.0	0.0	0.0	20.8
12	17476437.68	4753917.94	13.50	0	D	8000	71.9	0.0	0.0	0.0	0.0	53.7	15.9	-1.0	0.0	0.0	0.0	0.0	0.0	3.3

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
15	17476419.73	4753957.95	14.00	0	D	63	66.8	0.0	0.0	0.0	0.0	54.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	15.8
15	17476419.73	4753957.95	14.00	0	D	125	82.9	0.0	0.0	0.0	0.0	54.0	0.1	-0.5	0.0	0.0	0.0	0.0	0.0	29.4
15	17476419.73	4753957.95	14.00	0	D	250	83.4	0.0	0.0	0.0	0.0	54.0	0.1	-0.5	0.0	0.0	0.0	0.0	0.0	29.8
15	17476419.73	4753957.95	14.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	54.0	0.3	-0.5	0.0	0.0	0.0	0.0	0.0	30.1
15	17476419.73	4753957.95	14.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	54.0	0.5	-0.5	0.0	0.0	0.0	0.0	0.0	32.0

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
15	17476419.73	4753957.95	14.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	54.0	1.4	-0.5	0.0	0.0	0.0	0.0	0.0	28.4
15	17476419.73	4753957.95	14.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	54.0	4.6	-0.5	0.0	0.0	0.0	0.0	0.0	19.9
15	17476419.73	4753957.95	14.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	54.0	16.5	-0.5	0.0	0.0	0.0	0.0	0.0	2.0

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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	17476447.04	4753956.22	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	52.2	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	15.6
19	17476447.04	4753956.22	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	52.2	0.0	-0.8	0.0	0.0	0.0	0.0	0.0	29.4
19	17476447.04	4753956.22	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	52.2	0.1	-0.8	0.0	0.0	0.0	0.0	0.0	29.8
19	17476447.04	4753956.22	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	52.2	0.2	-0.8	0.0	0.0	0.0	0.0	0.0	30.1
19	17476447.04	4753956.22	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	52.2	0.4	-0.8	0.0	0.0	0.0	0.0	0.0	32.1
19	17476447.04	4753956.22	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	52.2	1.1	-0.8	0.0	0.0	0.0	0.0	0.0	28.6
19	17476447.04	4753956.22	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	52.2	3.8	-0.8	0.0	0.0	0.0	0.0	0.0	20.8
19	17476447.04	4753956.22	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	52.2	13.4	-0.8	0.0	0.0	0.0	0.0	0.0	5.0

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
23	17476446.52	4753920.57	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	53.1	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	14.7
23	17476446.52	4753920.57	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	53.1	0.1	-1.0	0.0	0.0	0.0	0.0	0.0	28.8
23	17476446.52	4753920.57	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	53.1	0.1	-1.0	0.0	0.0	0.0	0.0	0.0	29.2
23	17476446.52	4753920.57	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	53.1	0.2	-1.0	0.0	0.0	0.0	0.0	0.0	29.5
23	17476446.52	4753920.57	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	53.1	0.5	-1.0	0.0	0.0	0.0	0.0	0.0	31.5
23	17476446.52	4753920.57	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	53.1	1.2	-1.0	0.0	0.0	0.0	0.0	0.0	27.9
23	17476446.52	4753920.57	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	53.1	4.2	-1.0	0.0	0.0	0.0	0.0	0.0	19.8
23	17476446.52	4753920.57	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	53.1	14.9	-1.0	0.0	0.0	0.0	0.0	0.0	3.0

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
29	17476417.62	4753917.09	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	54.8	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	13.0
29	17476417.62	4753917.09	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	54.8	0.1	-0.8	0.0	0.0	0.0	0.0	0.0	26.9
29	17476417.62	4753917.09	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	54.8	0.2	-0.8	0.0	0.0	0.0	0.0	0.0	27.3
29	17476417.62	4753917.09	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	54.8	0.3	-0.8	0.0	0.0	0.0	0.0	0.0	27.6
29	17476417.62	4753917.09	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	54.8	0.6	-0.8	0.0	0.0	0.0	0.0	0.0	29.5
29	17476417.62	4753917.09	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	54.8	1.5	-0.8	0.0	0.0	0.0	0.0	0.0	25.8
29	17476417.62	4753917.09	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	54.8	5.1	-0.8	0.0	0.0	0.0	0.0	0.0	17.0
29	17476417.62	4753917.09	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	54.8	18.0	-0.8	0.0	0.0	0.0	0.0	0.0	-2.0

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
32	17476397.75	4753950.89	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	55.3	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	12.5
32	17476397.75	4753950.89	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	55.3	0.1	-0.5	0.0	0.0	0.0	0.0	0.0	26.0
32	17476397.75	4753950.89	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	55.3	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	26.4
32	17476397.75	4753950.89	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	55.3	0.3	-0.5	0.0	0.0	0.0	0.0	0.0	26.7
32	17476397.75	4753950.89	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	55.3	0.6	-0.5	0.0	0.0	0.0	0.0	0.0	28.6
32	17476397.75	4753950.89	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	55.3	1.6	-0.5	0.0	0.0	0.0	0.0	0.0	24.8
32	17476397.75	4753950.89	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	55.3	5.4	-0.5	0.0	0.0	0.0	0.0	0.0	15.8
32	17476397.75	4753950.89	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	55.3	19.1	-0.5	0.0	0.0	0.0	0.0	0.0	-4.0

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
36	17476441.32	4753960.17	13.50	0	D	63	61.8	0.0	0.0	0.0	0.0	52.6	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	12.2
36	17476441.32	4753960.17	13.50	0	D	125	77.9	0.0	0.0	0.0	0.0	52.6	0.0	-0.6	0.0	0.0	0.0	0.0	0.0	25.9
36	17476441.32	4753960.17	13.50	0	D	250	78.4	0.0	0.0	0.0	0.0	52.6	0.1	-0.6	0.0	0.0	0.0	0.0	0.0	26.3
36	17476441.32	4753960.17	13.50	0	D	500	81.8	0.0	0.0	0.0	-3.0	52.6	0.2	-0.6	0.0	0.0	0.0	0.0	0.0	26.6
36	17476441.32	4753960.17	13.50	0	D	1000	81.0	0.0	0.0	0.0	0.0	52.6	0.4	-0.6	0.0	0.0	0.0	0.0	0.0	28.6
36	17476441.32	4753960.17	13.50	0	D	2000	78.2	0.0	0.0	0.0	0.0	52.6	1.2	-0.6	0.0	0.0	0.0	0.0	0.0	25.1
36	17476441.32	4753960.17	13.50	0	D	4000	73.0	0.0	0.0	0.0	0.0	52.6	3.9	-0.6	0.0	0.0	0.0	0.0	0.0	17.1
36	17476441.32	4753960.17	13.50	0	D	8000	66.9	0.0	0.0	0.0	0.0	52.6	14.0	-0.6	0.0	0.0	0.0	0.0	0.0	1.0

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
44	17476787.61	4753973.27	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	58.3	0.0	-3.0	0.0	0.0	3.3	0.0	0.0	8.1
44	17476787.61	4753973.27	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	58.3	0.1	-0.4	0.0	0.0	4.1	0.0	0.0	20.8
44	17476787.61	4753973.27	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	58.3	0.2	-0.8	0.0	0.0	5.1	0.0	0.0	20.5
44	17476787.61	4753973.27	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	58.3	0.4	-0.8	0.0	0.0	6.4	0.0	0.0	19.4
44	17476787.61	4753973.27	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	58.3	0.9	-0.8	0.0	0.0	8.1	0.0	0.0	19.5
44	17476787.61	4753973.27	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	58.3	2.3	-0.8	0.0	0.0	10.2	0.0	0.0	13.1
44	17476787.61	4753973.27	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	58.3	7.6	-0.8	0.0	0.0	12.6	0.0	0.0	0.1
44	17476787.61	4753973.27	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	58.3	27.2	-0.8	0.0	0.0	15.1	0.0	0.0	-28.0

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
51	17476796.53	4753934.12	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	58.8	0.0	-3.0	0.0	0.0	3.3	0.0	0.0	7.7
51	17476796.53	4753934.12	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	58.8	0.1	-1.1	0.0	0.0	4.0	0.0	0.0	21.1
51	17476796.53	4753934.12	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	58.8	0.3	-1.3	0.0	0.0	4.8	0.0	0.0	20.8
51	17476796.53	4753934.12	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	58.8	0.5	-1.3	0.0	0.0	5.9	0.0	0.0	19.9
51	17476796.53	4753934.12	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	58.8	0.9	-1.3	0.0	0.0	7.4	0.0	0.0	20.2
51	17476796.53	4753934.12	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	58.8	2.4	-1.3	0.0	0.0	9.3	0.0	0.0	14.0
51	17476796.53	4753934.12	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	58.8	8.1	-1.3	0.0	0.0	11.6	0.0	0.0	0.8
51	17476796.53	4753934.12	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	58.8	28.7	-1.3	0.0	0.0	14.0	0.0	0.0	-28.3

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
54	17476804.19	4753969.37	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	58.9	0.0	-3.0	0.0	0.0	3.3	0.0	0.0	7.5
54	17476804.19	4753969.37	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	58.9	0.1	-0.8	0.0	0.0	4.1	0.0	0.0	20.5
54	17476804.19	4753969.37	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	58.9	0.3	-1.1	0.0	0.0	5.1	0.0	0.0	20.2
54	17476804.19	4753969.37	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	58.9	0.5	-1.1	0.0	0.0	6.3	0.0	0.0	19.1
54	17476804.19	4753969.37	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	58.9	0.9	-1.1	0.0	0.0	8.0	0.0	0.0	19.2
54	17476804.19	4753969.37	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	58.9	2.4	-1.1	0.0	0.0	10.1	0.0	0.0	12.8
54	17476804.19	4753969.37	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	58.9	8.2	-1.1	0.0	0.0	12.6	0.0	0.0	-0.6
54	17476804.19	4753969.37	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	58.9	29.2	-1.1	0.0	0.0	15.0	0.0	0.0	-30.2

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
61	17476806.08	4753881.83	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	59.6	0.0	-3.0	0.0	0.0	3.2	0.0	0.0	7.0
61	17476806.08	4753881.83	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	59.6	0.1	-1.5	0.0	0.0	3.8	0.0	0.0	20.9
61	17476806.08	4753881.83	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	59.6	0.3	-1.7	0.0	0.0	4.6	0.0	0.0	20.6
61	17476806.08	4753881.83	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	59.6	0.5	-1.7	0.0	0.0	5.4	0.0	0.0	19.9
61	17476806.08	4753881.83	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	59.6	1.0	-1.7	0.0	0.0	6.6	0.0	0.0	20.5
61	17476806.08	4753881.83	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	59.6	2.6	-1.7	0.0	0.0	8.1	0.0	0.0	14.6
61	17476806.08	4753881.83	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	59.6	8.8	-1.7	0.0	0.0	10.2	0.0	0.0	1.1
61	17476806.08	4753881.83	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	59.6	31.5	-1.7	0.0	0.0	12.5	0.0	0.0	-29.9

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
65	17476818.25	4753908.38	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	59.7	0.0	-3.0	0.0	0.0	3.2	0.0	0.0	6.8
65	17476818.25	4753908.38	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	59.7	0.1	-1.4	0.0	0.0	3.9	0.0	0.0	20.6
65	17476818.25	4753908.38	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	59.7	0.3	-1.6	0.0	0.0	4.7	0.0	0.0	20.3
65	17476818.25	4753908.38	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	59.7	0.5	-1.6	0.0	0.0	5.7	0.0	0.0	19.5
65	17476818.25	4753908.38	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	59.7	1.0	-1.6	0.0	0.0	7.0	0.0	0.0	19.9
65	17476818.25	4753908.38	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	59.7	2.6	-1.6	0.0	0.0	8.8	0.0	0.0	13.7
65	17476818.25	4753908.38	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	59.7	8.9	-1.6	0.0	0.0	11.0	0.0	0.0	-0.0
65	17476818.25	4753908.38	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	59.7	31.8	-1.6	0.0	0.0	13.4	0.0	0.0	-31.4

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
79	17476827.48	4753982.17	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	59.7	0.0	-3.0	0.0	0.0	3.3	0.0	0.0	6.7
79	17476827.48	4753982.17	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	59.7	0.1	-0.8	0.0	0.0	4.1	0.0	0.0	19.8
79	17476827.48	4753982.17	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	59.7	0.3	-1.1	0.0	0.0	5.1	0.0	0.0	19.4
79	17476827.48	4753982.17	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	59.7	0.5	-1.1	0.0	0.0	6.5	0.0	0.0	18.2

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
79	17476827.48	4753982.17	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	59.7	1.0	-1.1	0.0	0.0	8.3	0.0	0.0	18.2
79	17476827.48	4753982.17	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	59.7	2.6	-1.1	0.0	0.0	10.4	0.0	0.0	11.5
79	17476827.48	4753982.17	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	59.7	8.9	-1.1	0.0	0.0	12.8	0.0	0.0	-2.4
79	17476827.48	4753982.17	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	59.7	31.9	-1.1	0.0	0.0	15.3	0.0	0.0	-33.9

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
83	17476832.83	4753957.31	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	59.9	0.0	-3.0	0.0	0.0	3.3	0.0	0.0	6.6
83	17476832.83	4753957.31	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	59.9	0.1	-1.2	0.0	0.0	4.0	0.0	0.0	20.0
83	17476832.83	4753957.31	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	59.9	0.3	-1.4	0.0	0.0	5.0	0.0	0.0	19.6
83	17476832.83	4753957.31	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	59.9	0.5	-1.4	0.0	0.0	6.2	0.0	0.0	18.6
83	17476832.83	4753957.31	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	59.9	1.0	-1.4	0.0	0.0	7.8	0.0	0.0	18.7
83	17476832.83	4753957.31	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	59.9	2.7	-1.4	0.0	0.0	9.9	0.0	0.0	12.1
83	17476832.83	4753957.31	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	59.9	9.1	-1.4	0.0	0.0	12.3	0.0	0.0	-1.9
83	17476832.83	4753957.31	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	59.9	32.6	-1.4	0.0	0.0	14.8	0.0	0.0	-33.9

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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	17476839.12	4753930.56	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	60.2	0.0	-3.0	0.0	0.0	3.2	0.0	0.0	6.3
88	17476839.12	4753930.56	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	60.2	0.1	-1.3	0.0	0.0	4.0	0.0	0.0	19.9
88	17476839.12	4753930.56	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	60.2	0.3	-1.5	0.0	0.0	4.8	0.0	0.0	19.6
88	17476839.12	4753930.56	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	60.2	0.6	-1.5	0.0	0.0	6.0	0.0	0.0	18.6
88	17476839.12	4753930.56	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	60.2	1.1	-1.5	0.0	0.0	7.4	0.0	0.0	18.9
88	17476839.12	4753930.56	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	60.2	2.8	-1.5	0.0	0.0	9.3	0.0	0.0	12.4
88	17476839.12	4753930.56	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	60.2	9.4	-1.5	0.0	0.0	11.7	0.0	0.0	-1.8
88	17476839.12	4753930.56	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	60.2	33.7	-1.5	0.0	0.0	14.1	0.0	0.0	-34.6

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
92	17476828.11	4753865.78	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	60.4	0.0	-3.0	0.0	0.0	3.2	0.0	0.0	6.2
92	17476828.11	4753865.78	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	60.4	0.1	-1.7	0.0	0.0	3.8	0.0	0.0	20.2
92	17476828.11	4753865.78	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	60.4	0.3	-1.8	0.0	0.0	4.5	0.0	0.0	20.0
92	17476828.11	4753865.78	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	60.4	0.6	-1.8	0.0	0.0	5.4	0.0	0.0	19.3
92	17476828.11	4753865.78	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	60.4	1.1	-1.8	0.0	0.0	6.5	0.0	0.0	19.9
92	17476828.11	4753865.78	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	60.4	2.9	-1.8	0.0	0.0	8.0	0.0	0.0	13.8
92	17476828.11	4753865.78	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	60.4	9.7	-1.8	0.0	0.0	10.0	0.0	0.0	-0.2
92	17476828.11	4753865.78	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	60.4	34.5	-1.8	0.0	0.0	12.2	0.0	0.0	-33.4

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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	17476846.99	4753896.52	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	60.6	0.0	-3.0	0.0	0.0	3.2	0.0	0.0	5.9
97	17476846.99	4753896.52	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	60.6	0.1	-1.6	0.0	0.0	3.9	0.0	0.0	19.9
97	17476846.99	4753896.52	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	60.6	0.3	-1.8	0.0	0.0	4.7	0.0	0.0	19.6
97	17476846.99	4753896.52	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	60.6	0.6	-1.8	0.0	0.0	5.7	0.0	0.0	18.7
97	17476846.99	4753896.52	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	60.6	1.1	-1.8	0.0	0.0	7.0	0.0	0.0	19.1
97	17476846.99	4753896.52	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	60.6	2.9	-1.8	0.0	0.0	8.7	0.0	0.0	12.7
97	17476846.99	4753896.52	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	60.6	9.9	-1.8	0.0	0.0	10.9	0.0	0.0	-1.7
97	17476846.99	4753896.52	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	60.6	35.4	-1.8	0.0	0.0	13.3	0.0	0.0	-35.7

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
102	17476852.55	4753871.66	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	61.0	0.0	-3.0	0.0	0.0	3.2	0.0	0.0	5.6
102	17476852.55	4753871.66	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	61.0	0.1	-1.7	0.0	0.0	3.8	0.0	0.0	19.7
102	17476852.55	4753871.66	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	61.0	0.3	-1.9	0.0	0.0	4.6	0.0	0.0	19.4
102	17476852.55	4753871.66	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	61.0	0.6	-1.9	0.0	0.0	5.5	0.0	0.0	18.6
102	17476852.55	4753871.66	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	61.0	1.2	-1.9	0.0	0.0	6.7	0.0	0.0	19.1
102	17476852.55	4753871.66	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	61.0	3.1	-1.9	0.0	0.0	8.3	0.0	0.0	12.8
102	17476852.55	4753871.66	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	61.0	10.4	-1.9	0.0	0.0	10.3	0.0	0.0	-1.8
102	17476852.55	4753871.66	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	61.0	36.9	-1.9	0.0	0.0	12.7	0.0	0.0	-36.8

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
106	17476799.07	4754181.61	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	61.0	0.0	-3.0	0.0	0.0	10.0	0.0	0.0	-1.3
106	17476799.07	4754181.61	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	61.0	0.1	0.4	0.0	0.0	13.0	0.0	0.0	8.3
106	17476799.07	4754181.61	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	61.0	0.3	0.0	0.0	0.0	16.7	0.0	0.0	5.3
106	17476799.07	4754181.61	9.00	0	D	500	86.8	0.0	0.0	0.0	0.0	61.0	0.6	0.0	0.0	0.0	19.7	0.0	0.0	5.4
106	17476799.07	4754181.61	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	61.0	1.2	0.0	0.0	0.0	22.7	0.0	0.0	1.1
106	17476799.07	4754181.61	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	61.0	3.1	0.0	0.0	0.0	25.0	0.0	0.0	-5.9
106	17476799.07	4754181.61	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	61.0	10.4	0.0	0.0	0.0	25.0	0.0	0.0	-18.5
106	17476799.07	4754181.61	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	61.0	37.2	0.0	0.0	0.0	25.0	0.0	0.0	-51.3
109	17476799.07	4754181.61	9.00	1	D	4000	78.0	0.0	0.0	0.0	0.0	63.8	14.3	-0.6	0.0	0.0	20.0	0.0	1.0	-20.4
109	17476799.07	4754181.61	9.00	1	D	8000	71.9	0.0	0.0	0.0	0.0	63.8	50.8	-0.6	0.0	0.0	25.0	0.0	1.0	-68.1

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
112	17476410.96	4753916.67	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	55.1	0.3	-0.8	0.0	0.0	0.0	0.0	0.0	27.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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	17476877.20	4753606.53	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	64.8	0.1	-3.0	0.0	0.0	14.9	0.0	0.0	-7.9
118	17476877.20	4753606.53	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	64.8	0.2	-0.8	0.0	0.0	17.9	0.0	0.0	2.8
118	17476877.20	4753606.53	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	64.8	0.5	-1.1	0.0	0.0	20.9	0.0	0.0	0.3
118	17476877.20	4753606.53	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	64.8	0.9	-1.1	0.0	0.0	23.8	0.0	0.0	-2.8
118	17476877.20	4753606.53	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	64.8	1.8	-1.1	0.0	0.0	25.0	0.0	0.0	-2.6
118	17476877.20	4753606.53	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	64.8	4.8	-1.1	0.0	0.0	25.0	0.0	0.0	-8.3
118	17476877.20	4753606.53	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	64.8	16.1	-1.1	0.0	0.0	25.0	0.0	0.0	-24.9
118	17476877.20	4753606.53	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	64.8	57.5	-1.1	0.0	0.0	25.0	0.0	0.0	-72.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
130	17476909.61	4753613.98	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	65.1	0.1	-3.0	0.0	0.0	14.6	0.0	0.0	-7.9
130	17476909.61	4753613.98	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	65.1	0.2	-1.3	0.0	0.0	17.6	0.0	0.0	3.3
130	17476909.61	4753613.98	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	65.1	0.5	-1.5	0.0	0.0	20.6	0.0	0.0	0.7
130	17476909.61	4753613.98	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	65.1	1.0	-1.5	0.0	0.0	23.6	0.0	0.0	-2.4
130	17476909.61	4753613.98	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	65.1	1.9	-1.5	0.0	0.0	25.0	0.0	0.0	-2.5
130	17476909.61	4753613.98	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	65.1	4.9	-1.5	0.0	0.0	25.0	0.0	0.0	-8.3
130	17476909.61	4753613.98	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	65.1	16.6	-1.5	0.0	0.0	25.0	0.0	0.0	-25.3
130	17476909.61	4753613.98	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	65.1	59.4	-1.5	0.0	0.0	25.0	0.0	0.0	-74.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
134	17476882.13	4753584.28	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	65.2	0.1	-3.0	0.0	0.0	14.7	0.0	0.0	-8.1
134	17476882.13	4753584.28	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	65.2	0.2	-0.8	0.0	0.0	17.7	0.0	0.0	2.6
134	17476882.13	4753584.28	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	65.2	0.5	-1.1	0.0	0.0	20.7	0.0	0.0	0.1
134	17476882.13	4753584.28	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	65.2	1.0	-1.1	0.0	0.0	23.7	0.0	0.0	-2.9
134	17476882.13	4753584.28	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	65.2	1.9	-1.1	0.0	0.0	25.0	0.0	0.0	-3.0
134	17476882.13	4753584.28	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	65.2	4.9	-1.1	0.0	0.0	25.0	0.0	0.0	-8.8
134	17476882.13	4753584.28	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	65.2	16.8	-1.1	0.0	0.0	25.0	0.0	0.0	-25.9
134	17476882.13	4753584.28	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	65.2	59.8	-1.1	0.0	0.0	25.0	0.0	0.0	-75.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
141	17476865.95	4753702.24	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.4	0.1	-3.0	0.0	0.0	3.0	0.0	0.0	3.4
141	17476865.95	4753702.24	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.4	0.2	-0.9	0.0	0.0	3.5	0.0	0.0	16.7
141	17476865.95	4753702.24	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.4	0.4	-1.2	0.0	0.0	4.1	0.0	0.0	16.7
141	17476865.95	4753702.24	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.4	0.8	-1.2	0.0	0.0	4.6	0.0	0.0	16.2
141	17476865.95	4753702.24	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.4	1.5	-1.2	0.0	0.0	5.1	0.0	0.0	17.2
141	17476865.95	4753702.24	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.4	4.0	-1.2	0.0	0.0	5.8	0.0	0.0	11.2
141	17476865.95	4753702.24	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.4	13.6	-1.2	0.0	0.0	6.9	0.0	0.0	-4.7
141	17476865.95	4753702.24	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.4	48.6	-1.2	0.0	0.0	8.3	0.0	0.0	-47.2

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
145	17476914.55	4753592.78	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	65.4	0.1	-3.0	0.0	0.0	14.4	0.0	0.0	-8.1
145	17476914.55	4753592.78	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	65.4	0.2	-1.3	0.0	0.0	17.5	0.0	0.0	3.1
145	17476914.55	4753592.78	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	65.4	0.5	-1.5	0.0	0.0	20.5	0.0	0.0	0.5
145	17476914.55	4753592.78	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	65.4	1.0	-1.5	0.0	0.0	23.4	0.0	0.0	-2.6
145	17476914.55	4753592.78	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	65.4	1.9	-1.5	0.0	0.0	25.0	0.0	0.0	-2.8
145	17476914.55	4753592.78	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	65.4	5.1	-1.5	0.0	0.0	25.0	0.0	0.0	-8.8
145	17476914.55	4753592.78	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	65.4	17.3	-1.5	0.0	0.0	25.0	0.0	0.0	-26.2
145	17476914.55	4753592.78	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	65.4	61.6	-1.5	0.0	0.0	25.0	0.0	0.0	-76.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
151	17476793.19	4754153.93	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	60.4	0.0	-3.0	0.0	0.0	10.2	0.0	0.0	-3.9
151	17476793.19	4754153.93	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	60.4	0.1	0.4	0.0	0.0	13.2	0.0	0.0	5.7
151	17476793.19	4754153.93	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	60.4	0.3	0.0	0.0	0.0	16.9	0.0	0.0	2.8
151	17476793.19	4754153.93	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	60.4	0.6	0.0	0.0	0.0	20.0	0.0	0.0	2.8
151	17476793.19	4754153.93	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	60.4	1.1	-0.0	0.0	0.0	22.9	0.0	0.0	-1.5
151	17476793.19	4754153.93	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	60.4	2.9	-0.0	0.0	0.0	25.0	0.0	0.0	-8.1
151	17476793.19	4754153.93	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	60.4	9.7	-0.0	0.0	0.0	25.0	0.0	0.0	-20.1
151	17476793.19	4754153.93	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	60.4	34.6	-0.0	0.0	0.0	25.0	0.0	0.0	-51.2
154	17476793.19	4754153.93	9.00	1	D	4000	75.0	0.0	0.0	0.0	0.0	63.2	13.4	-0.7	0.0	0.0	20.0	0.0	1.0	-22.0
154	17476793.19	4754153.93	9.00	1	D	8000	68.9	0.0	0.0	0.0	0.0	63.2	47.7	-0.7	0.0	0.0	25.0	0.0	1.0	-67.4

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
160	17476886.43	4753565.29	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	65.5	0.1	-3.0	0.0	0.0	14.6	0.0	0.0	-8.3
160	17476886.43	4753565.29	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	65.5	0.2	-0.8	0.0	0.0	17.6	0.0	0.0	2.4
160	17476886.43	4753565.29	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	65.5	0.6	-1.1	0.0	0.0	20.6	0.0	0.0	-0.1
160	17476886.43	4753565.29	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	65.5	1.0	-1.1	0.0	0.0	23.5	0.0	0.0	-3.1
160	17476886.43	4753565.29	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	65.5	1.9	-1.1	0.0	0.0	25.0	0.0	0.0	-3.3
160	17476886.43	4753565.29	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	65.5	5.1	-1.1	0.0	0.0	25.0	0.0	0.0	-9.3
160	17476886.43	4753565.29	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	65.5	17.3	-1.1	0.0	0.0	25.0	0.0	0.0	-26.7
160	17476886.43	4753565.29	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	65.5	61.9	-1.1	0.0	0.0	25.0	0.0	0.0	-77.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
166	17476887.14	4753708.11	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.6	0.1	-3.0	0.0	0.0	3.0	0.0	0.0	3.1
166	17476887.14	4753708.11	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.6	0.2	-1.2	0.0	0.0	3.6	0.0	0.0	16.8
166	17476887.14	4753708.11	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.6	0.4	-1.5	0.0	0.0	4.1	0.0	0.0	16.7
166	17476887.14	4753708.11	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.6	0.8	-1.5	0.0	0.0	4.7	0.0	0.0	16.2
166	17476887.14	4753708.11	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.6	1.6	-1.5	0.0	0.0	5.3	0.0	0.0	17.0
166	17476887.14	4753708.11	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.6	4.1	-1.5	0.0	0.0	6.1	0.0	0.0	10.8
166	17476887.14	4753708.11	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.6	14.0	-1.5	0.0	0.0	7.3	0.0	0.0	-5.4
166	17476887.14	4753708.11	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.6	50.0	-1.5	0.0	0.0	8.9	0.0	0.0	-49.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
173	17476869.99	4753684.35	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.7	0.1	-3.0	0.0	0.0	3.0	0.0	0.0	3.1
173	17476869.99	4753684.35	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.7	0.2	-0.9	0.0	0.0	3.5	0.0	0.0	16.4
173	17476869.99	4753684.35	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.7	0.4	-1.2	0.0	0.0	4.1	0.0	0.0	16.4
173	17476869.99	4753684.35	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.7	0.8	-1.2	0.0	0.0	4.6	0.0	0.0	15.9
173	17476869.99	4753684.35	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.7	1.6	-1.2	0.0	0.0	5.0	0.0	0.0	16.9
173	17476869.99	4753684.35	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.7	4.2	-1.2	0.0	0.0	5.7	0.0	0.0	10.8
173	17476869.99	4753684.35	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.7	14.1	-1.2	0.0	0.0	6.6	0.0	0.0	-5.2
173	17476869.99	4753684.35	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.7	50.3	-1.2	0.0	0.0	8.0	0.0	0.0	-48.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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	17476919.48	4753572.53	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	65.7	0.1	-3.0	0.0	0.0	14.4	0.0	0.0	-8.4
178	17476919.48	4753572.53	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	65.7	0.2	-1.4	0.0	0.0	17.5	0.0	0.0	2.8

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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	17476919.48	4753572.53	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	65.7	0.6	-1.5	0.0	0.0	20.4	0.0	0.0	0.2
178	17476919.48	4753572.53	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	65.7	1.1	-1.5	0.0	0.0	23.4	0.0	0.0	-2.8
178	17476919.48	4753572.53	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	65.7	2.0	-1.5	0.0	0.0	25.0	0.0	0.0	-3.2
178	17476919.48	4753572.53	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	65.7	5.3	-1.5	0.0	0.0	25.0	0.0	0.0	-9.3
178	17476919.48	4753572.53	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	65.7	17.9	-1.5	0.0	0.0	25.0	0.0	0.0	-27.1
178	17476919.48	4753572.53	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	65.7	63.7	-1.5	0.0	0.0	25.0	0.0	0.0	-79.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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	17476891.60	4753689.80	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.9	0.1	-3.0	0.0	0.0	3.0	0.0	0.0	2.8
182	17476891.60	4753689.80	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.9	0.2	-1.2	0.0	0.0	3.5	0.0	0.0	16.5
182	17476891.60	4753689.80	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.9	0.5	-1.5	0.0	0.0	4.1	0.0	0.0	16.4
182	17476891.60	4753689.80	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.9	0.9	-1.5	0.0	0.0	4.6	0.0	0.0	15.9
182	17476891.60	4753689.80	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.9	1.6	-1.5	0.0	0.0	5.2	0.0	0.0	16.7
182	17476891.60	4753689.80	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.9	4.3	-1.5	0.0	0.0	5.9	0.0	0.0	10.5
182	17476891.60	4753689.80	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.9	14.5	-1.5	0.0	0.0	7.0	0.0	0.0	-6.0
182	17476891.60	4753689.80	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.9	51.8	-1.5	0.0	0.0	8.6	0.0	0.0	-50.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
187	17476875.30	4753661.98	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	64.1	0.1	-3.0	0.0	0.0	14.9	0.0	0.0	-9.3
187	17476875.30	4753661.98	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	64.1	0.2	-0.9	0.0	0.0	18.0	0.0	0.0	1.5
187	17476875.30	4753661.98	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	64.1	0.5	-1.1	0.0	0.0	21.0	0.0	0.0	-1.0
187	17476875.30	4753661.98	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	64.1	0.9	-1.1	0.0	0.0	24.0	0.0	0.0	-4.0
187	17476875.30	4753661.98	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	64.1	1.6	-1.1	0.0	0.0	25.0	0.0	0.0	-3.6
187	17476875.30	4753661.98	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	64.1	4.3	-1.1	0.0	0.0	25.0	0.0	0.0	-9.1
187	17476875.30	4753661.98	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	64.1	14.7	-1.1	0.0	0.0	25.0	0.0	0.0	-24.7
187	17476875.30	4753661.98	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	64.1	52.6	-1.1	0.0	0.0	25.0	0.0	0.0	-68.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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	17476896.71	4753666.74	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	64.3	0.1	-3.0	0.0	0.0	3.0	0.0	0.0	2.5
190	17476896.71	4753666.74	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	64.3	0.2	-1.2	0.0	0.0	3.5	0.0	0.0	16.1
190	17476896.71	4753666.74	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	64.3	0.5	-1.5	0.0	0.0	4.1	0.0	0.0	16.0
190	17476896.71	4753666.74	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	64.3	0.9	-1.5	0.0	0.0	4.6	0.0	0.0	15.5
190	17476896.71	4753666.74	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	64.3	1.7	-1.5	0.0	0.0	5.1	0.0	0.0	16.4
190	17476896.71	4753666.74	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	64.3	4.5	-1.5	0.0	0.0	5.7	0.0	0.0	10.2
190	17476896.71	4753666.74	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	64.3	15.1	-1.5	0.0	0.0	6.7	0.0	0.0	-6.7
190	17476896.71	4753666.74	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	64.3	54.0	-1.5	0.0	0.0	8.1	0.0	0.0	-53.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
196	17476881.29	4753635.90	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	64.5	0.1	-3.0	0.0	0.0	14.8	0.0	0.0	-9.6
196	17476881.29	4753635.90	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	64.5	0.2	-0.9	0.0	0.0	17.9	0.0	0.0	1.3
196	17476881.29	4753635.90	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	64.5	0.5	-1.2	0.0	0.0	20.9	0.0	0.0	-1.3
196	17476881.29	4753635.90	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	64.5	0.9	-1.2	0.0	0.0	23.8	0.0	0.0	-4.3
196	17476881.29	4753635.90	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	64.5	1.7	-1.2	0.0	0.0	25.0	0.0	0.0	-4.0
196	17476881.29	4753635.90	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	64.5	4.6	-1.2	0.0	0.0	25.0	0.0	0.0	-9.7
196	17476881.29	4753635.90	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	64.5	15.5	-1.2	0.0	0.0	25.0	0.0	0.0	-25.8
196	17476881.29	4753635.90	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	64.5	55.2	-1.2	0.0	0.0	25.0	0.0	0.0	-71.7

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
200	17476804.11	4754208.80	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	61.6	0.0	-3.0	0.0	0.0	9.6	0.0	0.0	-4.4
200	17476804.11	4754208.80	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	61.6	0.1	0.4	0.0	0.0	12.5	0.0	0.0	5.2
200	17476804.11	4754208.80	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	61.6	0.4	0.0	0.0	0.0	16.3	0.0	0.0	2.1
200	17476804.11	4754208.80	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	61.6	0.7	0.0	0.0	0.0	19.4	0.0	0.0	2.1
200	17476804.11	4754208.80	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	61.6	1.2	0.0	0.0	0.0	22.4	0.0	0.0	-2.3
200	17476804.11	4754208.80	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	61.6	3.3	0.0	0.0	0.0	25.0	0.0	0.0	-9.7

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
200	17476804.11	4754208.80	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	61.6	11.1	0.0	0.0	0.0	25.0	0.0	0.0	-22.8
200	17476804.11	4754208.80	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	61.6	39.7	0.0	0.0	0.0	25.0	0.0	0.0	-57.4
203	17476804.11	4754208.80	9.00	1	D	4000	75.0	0.0	0.0	0.0	0.0	64.3	15.1	-0.5	0.0	0.0	20.0	0.0	1.0	-24.9
203	17476804.11	4754208.80	9.00	1	D	8000	68.9	0.0	0.0	0.0	0.0	64.3	53.9	-0.5	0.0	0.0	25.0	0.0	1.0	-74.8

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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	17476424.17	4753915.66	13.50	0	D	500	81.8	0.0	0.0	0.0	-3.0	54.5	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	25.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
224	17476902.38	4753640.73	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	64.7	0.1	-3.0	0.0	0.0	14.7	0.0	0.0	-9.6
224	17476902.38	4753640.73	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	64.7	0.2	-1.2	0.0	0.0	17.7	0.0	0.0	1.5
224	17476902.38	4753640.73	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	64.7	0.5	-1.5	0.0	0.0	20.7	0.0	0.0	-1.1
224	17476902.38	4753640.73	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	64.7	0.9	-1.5	0.0	0.0	23.7	0.0	0.0	-4.1
224	17476902.38	4753640.73	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	64.7	1.8	-1.5	0.0	0.0	25.0	0.0	0.0	-4.0
224	17476902.38	4753640.73	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	64.7	4.7	-1.5	0.0	0.0	25.0	0.0	0.0	-9.7
224	17476902.38	4753640.73	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	64.7	15.9	-1.5	0.0	0.0	25.0	0.0	0.0	-26.1
224	17476902.38	4753640.73	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	64.7	56.6	-1.5	0.0	0.0	25.0	0.0	0.0	-72.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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	17476802.00	4754220.93	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	61.8	0.0	-3.0	0.0	0.0	9.5	0.0	0.0	-4.5
228	17476802.00	4754220.93	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	61.8	0.1	0.4	0.0	0.0	12.4	0.0	0.0	5.1
228	17476802.00	4754220.93	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	61.8	0.4	0.0	0.0	0.0	16.2	0.0	0.0	2.0
228	17476802.00	4754220.93	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	61.8	0.7	0.0	0.0	0.0	19.3	0.0	0.0	2.0
228	17476802.00	4754220.93	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	61.8	1.3	-0.0	0.0	0.0	22.3	0.0	0.0	-2.4
228	17476802.00	4754220.93	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	61.8	3.3	-0.0	0.0	0.0	25.0	0.0	0.0	-9.9
228	17476802.00	4754220.93	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	61.8	11.4	-0.0	0.0	0.0	25.0	0.0	0.0	-23.2
228	17476802.00	4754220.93	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	61.8	40.5	-0.0	0.0	0.0	25.0	0.0	0.0	-58.4
230	17476802.00	4754220.93	9.00	1	D	4000	75.0	0.0	0.0	0.0	0.0	64.5	15.4	-0.5	0.0	0.0	20.0	0.0	1.0	-25.4
230	17476802.00	4754220.93	9.00	1	D	8000	68.9	0.0	0.0	0.0	0.0	64.5	55.0	-0.5	0.0	0.0	25.0	0.0	1.0	-76.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
237	17476817.92	4754211.44	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	61.9	0.0	-3.0	0.0	0.0	9.7	0.0	0.0	-4.9
237	17476817.92	4754211.44	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	61.9	0.1	0.4	0.0	0.0	12.7	0.0	0.0	4.7
237	17476817.92	4754211.44	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	61.9	0.4	0.0	0.0	0.0	16.4	0.0	0.0	1.7
237	17476817.92	4754211.44	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	61.9	0.7	0.0	0.0	0.0	19.4	0.0	0.0	1.8
237	17476817.92	4754211.44	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	61.9	1.3	0.0	0.0	0.0	22.4	0.0	0.0	-2.6
237	17476817.92	4754211.44	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	61.9	3.4	0.0	0.0	0.0	25.0	0.0	0.0	-10.1
237	17476817.92	4754211.44	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	61.9	11.5	0.0	0.0	0.0	25.0	0.0	0.0	-23.4
237	17476817.92	4754211.44	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	61.9	41.1	0.0	0.0	0.0	25.0	0.0	0.0	-59.1
246	17476817.92	4754211.44	9.00	1	D	4000	75.0	0.0	0.0	0.0	0.0	64.4	15.4	-0.5	0.0	0.0	20.0	0.0	1.0	-25.4
246	17476817.92	4754211.44	9.00	1	D	8000	68.9	0.0	0.0	0.0	0.0	64.4	55.0	-0.5	0.0	0.0	25.0	0.0	1.0	-76.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
257	17476864.97	4753808.27	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	62.0	0.0	-3.0	0.0	0.0	3.1	0.0	0.0	1.7
257	17476864.97	4753808.27	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	62.0	0.1	-1.5	0.0	0.0	3.7	0.0	0.0	15.6
257	17476864.97	4753808.27	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	62.0	0.4	-1.7	0.0	0.0	4.3	0.0	0.0	15.4
257	17476864.97	4753808.27	9.00	0	D	500	83.8	0.0	0.0	0.0	-3.0	62.0	0.7	-1.7	0.0	0.0	5.1	0.0	0.0	14.8
257	17476864.97	4753808.27	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	62.0	1.3	-1.7	0.0	0.0	6.0	0.0	0.0	15.4
257	17476864.97	4753808.27	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	62.0	3.4	-1.7	0.0	0.0	7.3	0.0	0.0	9.3
257	17476864.97	4753808.27	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	62.0	11.6	-1.7	0.0	0.0	9.0	0.0	0.0	-5.8
257	17476864.97	4753808.27	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	62.0	41.3	-1.7	0.0	0.0	11.1	0.0	0.0	-43.8

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
266	17476868.38	4753793.87	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	62.2	0.0	-3.0	0.0	0.0	3.1	0.0	0.0	1.5
266	17476868.38	4753793.87	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	62.2	0.1	-1.3	0.0	0.0	3.7	0.0	0.0	15.2
266	17476868.38	4753793.87	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	62.2	0.4	-1.6	0.0	0.0	4.3	0.0	0.0	15.1
266	17476868.38	4753793.87	9.00	0	D	500	83.8	0.0	0.0	0.0	-3.0	62.2	0.7	-1.6	0.0	0.0	5.0	0.0	0.0	14.5
266	17476868.38	4753793.87	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	62.2	1.3	-1.6	0.0	0.0	5.9	0.0	0.0	15.2
266	17476868.38	4753793.87	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	62.2	3.5	-1.6	0.0	0.0	7.1	0.0	0.0	9.0
266	17476868.38	4753793.87	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	62.2	11.9	-1.6	0.0	0.0	8.7	0.0	0.0	-6.2
266	17476868.38	4753793.87	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	62.2	42.5	-1.6	0.0	0.0	10.8	0.0	0.0	-45.0

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
270	17476794.07	4754000.64	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	58.6	0.5	-0.8	0.0	0.0	10.3	0.0	0.0	13.4

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
274	17476796.39	4754000.84	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	58.7	0.5	-0.8	0.0	0.0	10.3	0.0	0.0	13.3

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
279	17476805.97	4754003.08	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	59.0	0.5	-0.9	0.0	0.0	10.5	0.0	0.0	12.9

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
284	17476811.72	4753999.05	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	59.2	0.5	-1.0	0.0	0.0	9.9	0.0	0.0	13.4

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
289	17476822.10	4754005.40	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	59.6	0.5	-1.1	0.0	0.0	10.6	0.0	0.0	12.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
294	17476801.61	4754112.48	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	60.0	0.5	0.0	0.0	0.0	21.0	0.0	0.0	0.5

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
299	17476815.56	4754114.90	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	60.4	0.6	0.0	0.0	0.0	20.8	0.0	0.0	0.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
302	17476823.11	4754116.73	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	60.6	0.6	0.0	0.0	0.0	20.7	0.0	0.0	0.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
309	17476831.04	4754117.99	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	60.8	0.6	0.0	0.0	0.0	20.6	0.0	0.0	-0.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
313	17476838.75	4754119.25	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	61.0	0.6	0.0	0.0	0.0	20.5	0.0	0.0	-0.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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	17476846.88	4754120.40	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	61.2	0.6	0.0	0.0	0.0	20.4	0.0	0.0	-0.3

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DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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	17476806.57	4754195.44	9.00	0	D	500	82.0	0.0	0.0	0.0	0.0	61.4	0.6	0.0	0.0	0.0	19.6	0.0	0.0	0.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
330	17476842.68	4753803.20	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.5	0.6	-1.4	0.0	0.0	5.0	0.0	0.0	13.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
340	17476834.52	4753786.13	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.6	0.7	-1.3	0.0	0.0	4.9	0.0	0.0	13.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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	17476820.10	4754199.22	9.00	0	D	500	82.0	0.0	0.0	0.0	0.0	61.8	0.7	0.0	0.0	0.0	19.5	0.0	0.0	0.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
348	17476846.10	4753788.80	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.8	0.7	-1.3	0.0	0.0	4.9	0.0	0.0	12.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
355	17476849.01	4753776.14	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.0	0.7	-1.3	0.0	0.0	4.8	0.0	0.0	12.7

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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	17476851.34	4753766.81	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.2	0.7	-1.3	0.0	0.0	4.8	0.0	0.0	12.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
362	17476853.17	4753756.91	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.4	0.7	-1.3	0.0	0.0	4.8	0.0	0.0	12.4

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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	17476870.94	4753781.42	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.4	0.7	-1.5	0.0	0.0	4.9	0.0	0.0	12.4

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
369	17476855.60	4753748.15	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.6	0.7	-1.3	0.0	0.0	4.7	0.0	0.0	12.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
374	17476873.52	4753772.00	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.6	0.7	-1.4	0.0	0.0	4.9	0.0	0.0	12.2

Point Source, ISO 9613, Name: "MUA - Ex Apt", ID: "APT_EX"																				
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)
378	17476598.16	4753891.53	53.50	0	D	63	51.8	0.0	0.0	0.0	0.0	50.7	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	4.1
378	17476598.16	4753891.53	53.50	0	D	125	63.9	0.0	0.0	0.0	0.0	50.7	0.0	-2.0	0.0	0.0	0.0	0.0	0.0	15.1
378	17476598.16	4753891.53	53.50	0	D	250	63.4	0.0	0.0	0.0	0.0	50.7	0.1	-2.0	0.0	0.0	0.0	0.0	0.0	14.5
378	17476598.16	4753891.53	53.50	0	D	500	63.8	0.0	0.0	0.0	0.0	50.7	0.2	-2.0	0.0	0.0	0.0	0.0	0.0	14.8
378	17476598.16	4753891.53	53.50	0	D	1000	64.0	0.0	0.0	0.0	0.0	50.7	0.4	-2.0	0.0	0.0	0.0	0.0	0.0	14.9
378	17476598.16	4753891.53	53.50	0	D	2000	55.2	0.0	0.0	0.0	0.0	50.7	0.9	-2.0	0.0	0.0	0.0	0.0	0.0	5.5
378	17476598.16	4753891.53	53.50	0	D	4000	47.0	0.0	0.0	0.0	0.0	50.7	3.2	-2.0	0.0	0.0	0.0	0.0	0.0	-4.9
378	17476598.16	4753891.53	53.50	0	D	8000	49.9	0.0	0.0	0.0	0.0	50.7	11.3	-2.0	0.0	0.0	0.0	0.0	0.0	-10.2
382	17476598.16	4753891.53	53.50	1	D	63	51.8	0.0	0.0	0.0	0.0	51.2	0.0	-3.0	0.0	0.0	5.1	0.0	1.0	-2.5
382	17476598.16	4753891.53	53.50	1	D	125	63.9	0.0	0.0	0.0	0.0	51.2	0.0	-2.0	0.0	0.0	5.5	0.0	1.0	8.2

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DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "MUA - Ex Apt", ID: "APT_EX"																				
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)
382	17476598.16	4753891.53	53.50	1	D	250	63.4	0.0	0.0	0.0	0.0	51.2	0.1	-2.0	0.0	0.0	6.1	0.0	1.0	7.0
382	17476598.16	4753891.53	53.50	1	D	500	63.8	0.0	0.0	0.0	0.0	51.2	0.2	-2.0	0.0	0.0	7.1	0.0	1.0	6.3
382	17476598.16	4753891.53	53.50	1	D	1000	64.0	0.0	0.0	0.0	0.0	51.2	0.4	-2.0	0.0	0.0	8.6	0.0	1.0	4.8
382	17476598.16	4753891.53	53.50	1	D	2000	55.2	0.0	0.0	0.0	0.0	51.2	1.0	-2.0	0.0	0.0	10.6	0.0	1.0	-6.6
382	17476598.16	4753891.53	53.50	1	D	4000	47.0	0.0	0.0	0.0	0.0	51.2	3.4	-2.0	0.0	0.0	13.0	0.0	1.0	-19.5
382	17476598.16	4753891.53	53.50	1	D	8000	49.9	0.0	0.0	0.0	0.0	51.2	12.0	-2.0	0.0	0.0	15.6	0.0	1.0	-27.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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	17476875.96	4753762.12	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.7	0.7	-1.4	0.0	0.0	4.9	0.0	0.0	12.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
390	17476858.46	4753735.22	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.8	0.7	-1.2	0.0	0.0	4.7	0.0	0.0	12.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
394	17476877.81	4753753.40	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.9	0.8	-1.5	0.0	0.0	4.8	0.0	0.0	12.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
397	17476861.71	4753721.41	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	63.0	0.8	-1.2	0.0	0.0	4.7	0.0	0.0	11.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
399	17476880.98	4753740.05	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	63.1	0.8	-1.5	0.0	0.0	4.8	0.0	0.0	11.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
401	17476883.89	4753726.70	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	63.3	0.8	-1.5	0.0	0.0	4.7	0.0	0.0	11.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
403	17476868.49	4753565.82	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	65.3	1.0	-0.8	0.0	0.0	23.6	0.0	0.0	-10.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
405	17476903.11	4753552.18	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	65.8	1.1	-1.3	0.0	0.0	23.4	0.0	0.0	-9.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
407	17476905.52	4753541.58	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	66.0	1.1	-1.3	0.0	0.0	23.3	0.0	0.0	-10.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
409	17476925.88	4753557.22	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	66.0	1.1	-1.6	0.0	0.0	23.3	0.0	0.0	-9.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
411	17476928.50	4753546.41	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	66.1	1.1	-1.6	0.0	0.0	23.3	0.0	0.0	-9.9

100% DUTY CYCLE

Receiver
Name: R4 (Grade)
ID: R4_GRADE)
X: 17476556.72 m
Y: 4753978.14 m
Z: 5.00 m

Point Source, ISO 9613, Name: "Cooling Tower - Ex Apt", ID: "CT_EX"																				
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)
7	17476616.40	4753887.48	53.30	0	D	63	76.4	0.0	0.0	0.0	0.0	52.5	0.0	-3.0	0.0	0.0	20.5	0.0	0.0	6.4
7	17476616.40	4753887.48	53.30	0	D	125	85.5	0.0	0.0	0.0	0.0	52.5	0.0	-1.5	0.0	0.0	22.9	0.0	0.0	11.6
7	17476616.40	4753887.48	53.30	0	D	250	93.0	0.0	0.0	0.0	0.0	52.5	0.1	-2.0	0.0	0.0	24.0	0.0	0.0	18.5
7	17476616.40	4753887.48	53.30	0	D	500	89.4	0.0	0.0	0.0	0.0	52.5	0.2	-2.2	0.0	0.0	24.5	0.0	0.0	14.5
7	17476616.40	4753887.48	53.30	0	D	1000	88.6	0.0	0.0	0.0	0.0	52.5	0.4	-2.2	0.0	0.0	24.7	0.0	0.0	13.2
7	17476616.40	4753887.48	53.30	0	D	2000	84.8	0.0	0.0	0.0	0.0	52.5	1.1	-2.2	0.0	0.0	24.9	0.0	0.0	8.5
7	17476616.40	4753887.48	53.30	0	D	4000	82.6	0.0	0.0	0.0	0.0	52.5	3.9	-2.2	0.0	0.0	24.9	0.0	0.0	3.5
7	17476616.40	4753887.48	53.30	0	D	8000	79.5	0.0	0.0	0.0	0.0	52.5	13.9	-2.2	0.0	0.0	25.0	0.0	0.0	-9.6

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
11	17476458.73	4753965.13	14.00	0	D	63	66.8	0.0	0.0	0.0	0.0	50.9	0.0	-3.0	0.0	0.0	5.0	0.0	0.0	13.9
11	17476458.73	4753965.13	14.00	0	D	125	82.9	0.0	0.0	0.0	0.0	50.9	0.0	1.4	0.0	0.0	3.7	0.0	0.0	26.8
11	17476458.73	4753965.13	14.00	0	D	250	83.4	0.0	0.0	0.0	0.0	50.9	0.1	-0.0	0.0	0.0	5.4	0.0	0.0	26.9
11	17476458.73	4753965.13	14.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	50.9	0.2	-0.6	0.0	0.0	6.0	0.0	0.0	27.3
11	17476458.73	4753965.13	14.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	50.9	0.4	-0.6	0.0	0.0	7.0	0.0	0.0	28.3
11	17476458.73	4753965.13	14.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	50.9	1.0	-0.6	0.0	0.0	8.5	0.0	0.0	23.5
11	17476458.73	4753965.13	14.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	50.9	3.3	-0.6	0.0	0.0	10.5	0.0	0.0	14.0
11	17476458.73	4753965.13	14.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	50.9	11.6	-0.6	0.0	0.0	12.8	0.0	0.0	-2.8
14	17476458.73	4753965.13	14.00	1	D	250	83.4	0.0	0.0	0.0	0.0	52.5	0.1	-0.4	0.0	0.0	4.8	0.0	0.0	26.4
14	17476458.73	4753965.13	14.00	1	D	500	86.8	0.0	0.0	0.0	-3.0	52.5	0.2	-0.9	0.0	0.0	4.8	0.0	0.0	27.2
14	17476458.73	4753965.13	14.00	1	D	1000	86.0	0.0	0.0	0.0	0.0	52.5	0.4	-0.9	0.0	0.0	4.8	0.0	0.0	29.2
14	17476458.73	4753965.13	14.00	1	D	2000	83.2	0.0	0.0	0.0	0.0	52.5	1.1	-0.9	0.0	0.0	4.8	0.0	0.0	25.7
14	17476458.73	4753965.13	14.00	1	D	4000	78.0	0.0	0.0	0.0	0.0	52.5	3.9	-0.9	0.0	0.0	4.8	0.0	0.0	17.8
14	17476458.73	4753965.13	14.00	1	D	8000	71.9	0.0	0.0	0.0	0.0	52.5	13.9	-0.9	0.0	0.0	4.8	0.0	0.0	1.7

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
18	17476442.58	4753918.62	13.50	0	D	63	66.8	0.0	0.0	0.0	0.0	53.2	0.0	-3.0	0.0	0.0	4.9	0.0	0.0	11.7
18	17476442.58	4753918.62	13.50	0	D	125	82.9	0.0	0.0	0.0	0.0	53.2	0.1	0.9	0.0	0.0	4.1	0.0	0.0	24.7
18	17476442.58	4753918.62	13.50	0	D	250	83.4	0.0	0.0	0.0	0.0	53.2	0.1	-0.4	0.0	0.0	5.1	0.0	0.0	25.4
18	17476442.58	4753918.62	13.50	0	D	500	86.8	0.0	0.0	0.0	-3.0	53.2	0.2	-1.0	0.0	0.0	5.5	0.0	0.0	25.9
18	17476442.58	4753918.62	13.50	0	D	1000	86.0	0.0	0.0	0.0	0.0	53.2	0.5	-1.0	0.0	0.0	6.1	0.0	0.0	27.2
18	17476442.58	4753918.62	13.50	0	D	2000	83.2	0.0	0.0	0.0	0.0	53.2	1.2	-1.0	0.0	0.0	7.1	0.0	0.0	22.7
18	17476442.58	4753918.62	13.50	0	D	4000	78.0	0.0	0.0	0.0	0.0	53.2	4.2	-1.0	0.0	0.0	8.6	0.0	0.0	13.0
18	17476442.58	4753918.62	13.50	0	D	8000	71.9	0.0	0.0	0.0	0.0	53.2	15.1	-1.0	0.0	0.0	10.6	0.0	0.0	-6.0

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
22	17476437.68	4753917.94	13.50	0	D	63	66.8	0.0	0.0	0.0	0.0	53.5	0.0	-3.0	0.0	0.0	4.9	0.0	0.0	11.4
22	17476437.68	4753917.94	13.50	0	D	125	82.9	0.0	0.0	0.0	0.0	53.5	0.1	0.9	0.0	0.0	4.0	0.0	0.0	24.3
22	17476437.68	4753917.94	13.50	0	D	250	83.4	0.0	0.0	0.0	0.0	53.5	0.1	-0.4	0.0	0.0	5.2	0.0	0.0	24.9
22	17476437.68	4753917.94	13.50	0	D	500	86.8	0.0	0.0	0.0	-3.0	53.5	0.3	-1.0	0.0	0.0	5.6	0.0	0.0	25.4
22	17476437.68	4753917.94	13.50	0	D	1000	86.0	0.0	0.0	0.0	0.0	53.5	0.5	-1.0	0.0	0.0	6.3	0.0	0.0	26.7
22	17476437.68	4753917.94	13.50	0	D	2000	83.2	0.0	0.0	0.0	0.0	53.5	1.3	-1.0	0.0	0.0	7.4	0.0	0.0	22.0
22	17476437.68	4753917.94	13.50	0	D	4000	78.0	0.0	0.0	0.0	0.0	53.5	4.4	-1.0	0.0	0.0	9.0	0.0	0.0	12.1
22	17476437.68	4753917.94	13.50	0	D	8000	71.9	0.0	0.0	0.0	0.0	53.5	15.6	-1.0	0.0	0.0	11.1	0.0	0.0	-7.4

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
26	17476419.73	4753957.95	14.00	0	D	63	66.8	0.0	0.0	0.0	0.0	53.8	0.0	-3.0	0.0	0.0	5.0	0.0	0.0	11.0
26	17476419.73	4753957.95	14.00	0	D	125	82.9	0.0	0.0	0.0	0.0	53.8	0.1	1.8	0.0	0.0	3.6	0.0	0.0	23.5
26	17476419.73	4753957.95	14.00	0	D	250	83.4	0.0	0.0	0.0	0.0	53.8	0.1	0.2	0.0	0.0	6.0	0.0	0.0	23.3
26	17476419.73	4753957.95	14.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	53.8	0.3	-0.5	0.0	0.0	7.2	0.0	0.0	23.0
26	17476419.73	4753957.95	14.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	53.8	0.5	-0.5	0.0	0.0	8.8	0.0	0.0	23.4
26	17476419.73	4753957.95	14.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	53.8	1.3	-0.5	0.0	0.0	10.8	0.0	0.0	17.7
26	17476419.73	4753957.95	14.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	53.8	4.5	-0.5	0.0	0.0	13.3	0.0	0.0	6.9
26	17476419.73	4753957.95	14.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	53.8	16.2	-0.5	0.0	0.0	16.0	0.0	0.0	-13.6

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
31	17476447.04	4753956.22	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	52.0	0.0	-3.0	0.0	0.0	5.1	0.0	0.0	10.7
31	17476447.04	4753956.22	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	52.0	0.0	1.2	0.0	0.0	4.2	0.0	0.0	23.4
31	17476447.04	4753956.22	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	52.0	0.1	-0.2	0.0	0.0	6.0	0.0	0.0	23.5
31	17476447.04	4753956.22	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	52.0	0.2	-0.8	0.0	0.0	6.9	0.0	0.0	23.4
31	17476447.04	4753956.22	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	52.0	0.4	-0.8	0.0	0.0	8.4	0.0	0.0	24.0
31	17476447.04	4753956.22	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	52.0	1.1	-0.8	0.0	0.0	10.3	0.0	0.0	18.6
31	17476447.04	4753956.22	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	52.0	3.7	-0.8	0.0	0.0	12.6	0.0	0.0	8.4
31	17476447.04	4753956.22	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	52.0	13.1	-0.8	0.0	0.0	15.3	0.0	0.0	-9.7
33	17476447.04	4753956.22	13.50	1	D	250	81.4	0.0	0.0	0.0	0.0	53.0	0.1	-0.4	0.0	0.0	5.0	0.0	0.0	23.7
33	17476447.04	4753956.22	13.50	1	D	500	84.8	0.0	0.0	0.0	-3.0	53.0	0.2	-1.0	0.0	0.0	5.2	0.0	0.0	24.3
33	17476447.04	4753956.22	13.50	1	D	1000	84.0	0.0	0.0	0.0	0.0	53.0	0.5	-1.0	0.0	0.0	5.6	0.0	0.0	25.9
33	17476447.04	4753956.22	13.50	1	D	2000	81.2	0.0	0.0	0.0	0.0	53.0	1.2	-1.0	0.0	0.0	6.3	0.0	0.0	21.7
33	17476447.04	4753956.22	13.50	1	D	4000	76.0	0.0	0.0	0.0	0.0	53.0	4.1	-1.0	0.0	0.0	7.4	0.0	0.0	12.5
33	17476447.04	4753956.22	13.50	1	D	8000	69.9	0.0	0.0	0.0	0.0	53.0	14.7	-1.0	0.0	0.0	9.0	0.0	0.0	-5.8

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
48	17476446.52	4753920.57	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	52.9	0.0	-3.0	0.0	0.0	4.9	0.0	0.0	10.0
48	17476446.52	4753920.57	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	52.9	0.1	0.8	0.0	0.0	4.1	0.0	0.0	23.0
48	17476446.52	4753920.57	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	52.9	0.1	-0.5	0.0	0.0	5.1	0.0	0.0	23.8
48	17476446.52	4753920.57	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	52.9	0.2	-1.0	0.0	0.0	5.4	0.0	0.0	24.3
48	17476446.52	4753920.57	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	52.9	0.5	-1.0	0.0	0.0	5.9	0.0	0.0	25.8
48	17476446.52	4753920.57	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	52.9	1.2	-1.0	0.0	0.0	6.8	0.0	0.0	21.3
48	17476446.52	4753920.57	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	52.9	4.1	-1.0	0.0	0.0	8.1	0.0	0.0	11.9
48	17476446.52	4753920.57	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	52.9	14.6	-1.0	0.0	0.0	10.0	0.0	0.0	-6.6

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
53	17476417.62	4753917.09	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	54.6	0.0	-3.0	0.0	0.0	4.9	0.0	0.0	8.2
53	17476417.62	4753917.09	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	54.6	0.1	1.2	0.0	0.0	3.9	0.0	0.0	21.1
53	17476417.62	4753917.09	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	54.6	0.2	-0.2	0.0	0.0	5.4	0.0	0.0	21.4
53	17476417.62	4753917.09	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	54.6	0.3	-0.9	0.0	0.0	5.9	0.0	0.0	21.8
53	17476417.62	4753917.09	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	54.6	0.6	-0.9	0.0	0.0	6.8	0.0	0.0	22.8
53	17476417.62	4753917.09	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	54.6	1.5	-0.9	0.0	0.0	8.2	0.0	0.0	17.7
53	17476417.62	4753917.09	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	54.6	5.0	-0.9	0.0	0.0	10.1	0.0	0.0	7.1
53	17476417.62	4753917.09	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	54.6	17.8	-0.9	0.0	0.0	12.4	0.0	0.0	-14.1

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
60	17476397.75	4753950.89	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	55.2	0.0	-3.0	0.0	0.0	5.1	0.0	0.0	7.5
60	17476397.75	4753950.89	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	55.2	0.1	2.0	0.0	0.0	3.7	0.0	0.0	20.0
60	17476397.75	4753950.89	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	55.2	0.2	0.3	0.0	0.0	6.2	0.0	0.0	19.6
60	17476397.75	4753950.89	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	55.2	0.3	-0.5	0.0	0.0	7.7	0.0	0.0	19.1
60	17476397.75	4753950.89	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	55.2	0.6	-0.5	0.0	0.0	9.4	0.0	0.0	19.3
60	17476397.75	4753950.89	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	55.2	1.6	-0.5	0.0	0.0	11.7	0.0	0.0	13.3
60	17476397.75	4753950.89	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	55.2	5.3	-0.5	0.0	0.0	14.2	0.0	0.0	1.8
60	17476397.75	4753950.89	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	55.2	18.9	-0.5	0.0	0.0	17.0	0.0	0.0	-20.6

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
69	17476441.32	4753960.17	13.50	0	D	63	61.8	0.0	0.0	0.0	0.0	52.4	0.0	-3.0	0.0	0.0	5.0	0.0	0.0	7.4
69	17476441.32	4753960.17	13.50	0	D	125	77.9	0.0	0.0	0.0	0.0	52.4	0.0	1.5	0.0	0.0	3.9	0.0	0.0	20.0
69	17476441.32	4753960.17	13.50	0	D	250	78.4	0.0	0.0	0.0	0.0	52.4	0.1	0.0	0.0	0.0	6.1	0.0	0.0	19.8
69	17476441.32	4753960.17	13.50	0	D	500	81.8	0.0	0.0	0.0	-3.0	52.4	0.2	-0.6	0.0	0.0	7.1	0.0	0.0	19.7
69	17476441.32	4753960.17	13.50	0	D	1000	81.0	0.0	0.0	0.0	0.0	52.4	0.4	-0.6	0.0	0.0	8.7	0.0	0.0	20.2
69	17476441.32	4753960.17	13.50	0	D	2000	78.2	0.0	0.0	0.0	0.0	52.4	1.1	-0.6	0.0	0.0	10.7	0.0	0.0	14.6
69	17476441.32	4753960.17	13.50	0	D	4000	73.0	0.0	0.0	0.0	0.0	52.4	3.8	-0.6	0.0	0.0	13.1	0.0	0.0	4.3
69	17476441.32	4753960.17	13.50	0	D	8000	66.9	0.0	0.0	0.0	0.0	52.4	13.7	-0.6	0.0	0.0	15.8	0.0	0.0	-14.3
71	17476441.32	4753960.17	13.50	1	D	250	78.4	0.0	0.0	0.0	0.0	53.4	0.1	-0.3	0.0	0.0	5.0	0.0	0.0	20.1
71	17476441.32	4753960.17	13.50	1	D	500	81.8	0.0	0.0	0.0	-3.0	53.4	0.3	-0.9	0.0	0.0	5.3	0.0	0.0	20.7
71	17476441.32	4753960.17	13.50	1	D	1000	81.0	0.0	0.0	0.0	0.0	53.4	0.5	-0.9	0.0	0.0	5.8	0.0	0.0	22.2
71	17476441.32	4753960.17	13.50	1	D	2000	78.2	0.0	0.0	0.0	0.0	53.4	1.3	-0.9	0.0	0.0	6.6	0.0	0.0	17.8
71	17476441.32	4753960.17	13.50	1	D	4000	73.0	0.0	0.0	0.0	0.0	53.4	4.3	-0.9	0.0	0.0	7.8	0.0	0.0	8.3
71	17476441.32	4753960.17	13.50	1	D	8000	66.9	0.0	0.0	0.0	0.0	53.4	15.5	-0.9	0.0	0.0	9.6	0.0	0.0	-10.8

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
75	17476787.61	4753973.27	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	58.3	0.0	-3.0	0.0	0.0	5.0	0.0	0.0	6.5
75	17476787.61	4753973.27	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	58.3	0.1	2.3	0.0	0.0	5.4	0.0	0.0	16.9
75	17476787.61	4753973.27	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	58.3	0.2	0.1	0.0	0.0	6.2	0.0	0.0	18.5
75	17476787.61	4753973.27	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	58.3	0.4	-0.6	0.0	0.0	7.6	0.0	0.0	18.1
75	17476787.61	4753973.27	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	58.3	0.8	-0.6	0.0	0.0	9.3	0.0	0.0	18.2
75	17476787.61	4753973.27	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	58.3	2.2	-0.6	0.0	0.0	11.4	0.0	0.0	11.9
75	17476787.61	4753973.27	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	58.3	7.6	-0.6	0.0	0.0	13.8	0.0	0.0	-1.0
75	17476787.61	4753973.27	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	58.3	27.0	-0.6	0.0	0.0	16.2	0.0	0.0	-29.0
78	17476787.61	4753973.27	9.00	1	D	500	86.8	0.0	0.0	0.0	-3.0	62.6	0.7	-1.7	0.0	0.0	0.0	0.0	0.0	22.1
78	17476787.61	4753973.27	9.00	1	D	1000	86.0	0.0	0.0	0.0	0.0	62.6	1.4	-1.7	0.0	0.0	0.0	0.0	0.0	23.7
78	17476787.61	4753973.27	9.00	1	D	2000	83.2	0.0	0.0	0.0	0.0	62.6	3.7	-1.7	0.0	0.0	0.0	0.0	0.0	18.6
78	17476787.61	4753973.27	9.00	1	D	4000	78.0	0.0	0.0	0.0	0.0	62.6	12.5	-1.7	0.0	0.0	0.0	0.0	0.0	4.6
78	17476787.61	4753973.27	9.00	1	D	8000	71.9	0.0	0.0	0.0	0.0	62.6	44.5	-1.7	0.0	0.0	0.0	0.0	0.0	-33.5

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
82	17476796.53	4753934.12	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	58.7	0.0	-3.0	0.0	0.0	4.9	0.0	0.0	6.1
82	17476796.53	4753934.12	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	58.7	0.1	0.6	0.0	0.0	5.3	0.0	0.0	18.1
82	17476796.53	4753934.12	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	58.7	0.3	-0.8	0.0	0.0	5.9	0.0	0.0	19.3
82	17476796.53	4753934.12	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	58.7	0.5	-1.3	0.0	0.0	6.9	0.0	0.0	19.0
82	17476796.53	4753934.12	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	58.7	0.9	-1.3	0.0	0.0	8.5	0.0	0.0	19.1
82	17476796.53	4753934.12	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	58.7	2.4	-1.3	0.0	0.0	10.5	0.0	0.0	12.9
82	17476796.53	4753934.12	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	58.7	8.0	-1.3	0.0	0.0	12.8	0.0	0.0	-0.2
82	17476796.53	4753934.12	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	58.7	28.5	-1.3	0.0	0.0	15.3	0.0	0.0	-29.3
84	17476796.53	4753934.12	9.00	1	D	250	83.4	0.0	0.0	0.0	0.0	62.0	0.4	-1.2	0.0	0.0	0.0	0.0	0.0	22.2
84	17476796.53	4753934.12	9.00	1	D	500	86.8	0.0	0.0	0.0	-3.0	62.0	0.7	-1.6	0.0	0.0	0.0	0.0	0.0	22.7
84	17476796.53	4753934.12	9.00	1	D	1000	86.0	0.0	0.0	0.0	0.0	62.0	1.3	-1.6	0.0	0.0	0.0	0.0	0.0	24.3
84	17476796.53	4753934.12	9.00	1	D	2000	83.2	0.0	0.0	0.0	0.0	62.0	3.4	-1.6	0.0	0.0	0.0	0.0	0.0	19.4
84	17476796.53	4753934.12	9.00	1	D	4000	78.0	0.0	0.0	0.0	0.0	62.0	11.6	-1.6	0.0	0.0	0.0	0.0	0.0	6.0
84	17476796.53	4753934.12	9.00	1	D	8000	71.9	0.0	0.0	0.0	0.0	62.0	41.5	-1.6	0.0	0.0	0.0	0.0	0.0	-30.0
86	17476796.53	4753934.12	9.00	2	D	4000	78.0	0.0	0.0	0.0	0.0	62.9	12.9	-1.6	0.0	0.0	17.4	0.0	0.0	-13.6
86	17476796.53	4753934.12	9.00	2	D	8000	71.9	0.0	0.0	0.0	0.0	62.9	46.0	-1.6	0.0	0.0	20.8	0.0	0.0	-56.2

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
90	17476804.19	4753969.37	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	58.9	0.0	-3.0	0.0	0.0	5.0	0.0	0.0	5.9
90	17476804.19	4753969.37	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	58.9	0.1	1.8	0.0	0.0	5.4	0.0	0.0	16.8
90	17476804.19	4753969.37	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	58.9	0.3	-0.2	0.0	0.0	6.2	0.0	0.0	18.2
90	17476804.19	4753969.37	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	58.9	0.5	-0.9	0.0	0.0	7.5	0.0	0.0	17.8
90	17476804.19	4753969.37	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	58.9	0.9	-0.9	0.0	0.0	9.2	0.0	0.0	17.9
90	17476804.19	4753969.37	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	58.9	2.4	-0.9	0.0	0.0	11.3	0.0	0.0	11.5
90	17476804.19	4753969.37	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	58.9	8.1	-0.9	0.0	0.0	13.7	0.0	0.0	-1.8
90	17476804.19	4753969.37	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	58.9	28.9	-0.9	0.0	0.0	16.2	0.0	0.0	-31.2
93	17476804.19	4753969.37	9.00	1	D	500	86.8	0.0	0.0	0.0	-3.0	63.0	0.8	-1.7	0.0	0.0	0.0	0.0	0.0	21.8

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
93	17476804.19	4753969.37	9.00	1	D	1000	86.0	0.0	0.0	0.0	0.0	63.0	1.5	-1.7	0.0	0.0	0.0	0.0	0.0	23.3
93	17476804.19	4753969.37	9.00	1	D	2000	83.2	0.0	0.0	0.0	0.0	63.0	3.8	-1.7	0.0	0.0	0.0	0.0	0.0	18.1
93	17476804.19	4753969.37	9.00	1	D	4000	78.0	0.0	0.0	0.0	0.0	63.0	13.0	-1.7	0.0	0.0	0.0	0.0	0.0	3.8
93	17476804.19	4753969.37	9.00	1	D	8000	71.9	0.0	0.0	0.0	0.0	63.0	46.4	-1.7	0.0	0.0	0.0	0.0	0.0	-35.7

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
98	17476806.08	4753881.83	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	59.5	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	5.4
98	17476806.08	4753881.83	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	59.5	0.1	-0.7	0.0	0.0	5.1	0.0	0.0	18.9
98	17476806.08	4753881.83	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	59.5	0.3	-1.6	0.0	0.0	5.5	0.0	0.0	19.6
98	17476806.08	4753881.83	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	59.5	0.5	-1.9	0.0	0.0	6.3	0.0	0.0	19.3
98	17476806.08	4753881.83	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	59.5	1.0	-1.9	0.0	0.0	7.5	0.0	0.0	19.9
98	17476806.08	4753881.83	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	59.5	2.6	-1.9	0.0	0.0	9.3	0.0	0.0	13.6
98	17476806.08	4753881.83	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	59.5	8.8	-1.9	0.0	0.0	11.5	0.0	0.0	0.1
98	17476806.08	4753881.83	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	59.5	31.2	-1.9	0.0	0.0	13.9	0.0	0.0	-30.9
101	17476806.08	4753881.83	9.00	1	D	250	83.4	0.0	0.0	0.0	0.0	62.5	0.4	-1.3	0.0	0.0	0.0	0.0	0.0	21.8
101	17476806.08	4753881.83	9.00	1	D	500	86.8	0.0	0.0	0.0	-3.0	62.5	0.7	-1.7	0.0	0.0	0.0	0.0	0.0	22.3
101	17476806.08	4753881.83	9.00	1	D	1000	86.0	0.0	0.0	0.0	0.0	62.5	1.4	-1.7	0.0	0.0	0.0	0.0	0.0	23.8
101	17476806.08	4753881.83	9.00	1	D	2000	83.2	0.0	0.0	0.0	0.0	62.5	3.6	-1.7	0.0	0.0	0.0	0.0	0.0	18.8
101	17476806.08	4753881.83	9.00	1	D	4000	78.0	0.0	0.0	0.0	0.0	62.5	12.3	-1.7	0.0	0.0	0.0	0.0	0.0	4.9
101	17476806.08	4753881.83	9.00	1	D	8000	71.9	0.0	0.0	0.0	0.0	62.5	43.9	-1.7	0.0	0.0	0.0	0.0	0.0	-32.8

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
107	17476818.25	4753908.38	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	59.6	0.0	-3.0	0.0	0.0	4.9	0.0	0.0	5.2
107	17476818.25	4753908.38	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	59.6	0.1	-0.2	0.0	0.0	5.2	0.0	0.0	18.1
107	17476818.25	4753908.38	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	59.6	0.3	-1.3	0.0	0.0	5.8	0.0	0.0	19.0
107	17476818.25	4753908.38	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	59.6	0.5	-1.7	0.0	0.0	6.6	0.0	0.0	18.7
107	17476818.25	4753908.38	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	59.6	1.0	-1.7	0.0	0.0	8.2	0.0	0.0	18.9
107	17476818.25	4753908.38	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	59.6	2.6	-1.7	0.0	0.0	10.0	0.0	0.0	12.6
107	17476818.25	4753908.38	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	59.6	8.9	-1.7	0.0	0.0	12.3	0.0	0.0	-1.1
107	17476818.25	4753908.38	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	59.6	31.6	-1.7	0.0	0.0	14.7	0.0	0.0	-32.4
114	17476818.25	4753908.38	9.00	1	D	250	83.4	0.0	0.0	0.0	0.0	62.6	0.4	-1.3	0.0	0.0	0.0	0.0	0.0	21.6
114	17476818.25	4753908.38	9.00	1	D	500	86.8	0.0	0.0	0.0	-3.0	62.6	0.7	-1.7	0.0	0.0	0.0	0.0	0.0	22.2
114	17476818.25	4753908.38	9.00	1	D	1000	86.0	0.0	0.0	0.0	0.0	62.6	1.4	-1.7	0.0	0.0	0.0	0.0	0.0	23.7
114	17476818.25	4753908.38	9.00	1	D	2000	83.2	0.0	0.0	0.0	0.0	62.6	3.7	-1.7	0.0	0.0	0.0	0.0	0.0	18.6
114	17476818.25	4753908.38	9.00	1	D	4000	78.0	0.0	0.0	0.0	0.0	62.6	12.5	-1.7	0.0	0.0	0.0	0.0	0.0	4.6
114	17476818.25	4753908.38	9.00	1	D	8000	71.9	0.0	0.0	0.0	0.0	62.6	44.5	-1.7	0.0	0.0	0.0	0.0	0.0	-33.5

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
121	17476827.48	4753982.17	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	59.7	0.0	-3.0	0.0	0.0	5.1	0.0	0.0	5.1
121	17476827.48	4753982.17	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	59.7	0.1	2.1	0.0	0.0	5.4	0.0	0.0	15.6
121	17476827.48	4753982.17	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	59.7	0.3	-0.0	0.0	0.0	6.5	0.0	0.0	17.1
121	17476827.48	4753982.17	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	59.7	0.5	-0.8	0.0	0.0	7.7	0.0	0.0	16.7
121	17476827.48	4753982.17	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	59.7	1.0	-0.8	0.0	0.0	9.4	0.0	0.0	16.7
121	17476827.48	4753982.17	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	59.7	2.6	-0.8	0.0	0.0	11.6	0.0	0.0	10.2
121	17476827.48	4753982.17	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	59.7	8.9	-0.8	0.0	0.0	14.0	0.0	0.0	-3.7
121	17476827.48	4753982.17	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	59.7	31.7	-0.8	0.0	0.0	16.4	0.0	0.0	-35.0
123	17476827.48	4753982.17	9.00	1	D	500	86.8	0.0	0.0	0.0	-3.0	63.5	0.8	-1.8	0.0	0.0	0.0	0.0	0.0	21.3
123	17476827.48	4753982.17	9.00	1	D	1000	86.0	0.0	0.0	0.0	0.0	63.5	1.5	-1.8	0.0	0.0	0.0	0.0	0.0	22.8
123	17476827.48	4753982.17	9.00	1	D	2000	83.2	0.0	0.0	0.0	0.0	63.5	4.1	-1.8	0.0	0.0	0.0	0.0	0.0	17.5
123	17476827.48	4753982.17	9.00	1	D	4000	78.0	0.0	0.0	0.0	0.0	63.5	13.8	-1.8	0.0	0.0	0.0	0.0	0.0	2.5
123	17476827.48	4753982.17	9.00	1	D	8000	71.9	0.0	0.0	0.0	0.0	63.5	49.2	-1.8	0.0	0.0	0.0	0.0	0.0	-39.0

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
126	17476832.83	4753957.31	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	59.8	0.0	-3.0	0.0	0.0	5.0	0.0	0.0	4.9
126	17476832.83	4753957.31	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	59.8	0.1	1.1	0.0	0.0	5.4	0.0	0.0	16.4
126	17476832.83	4753957.31	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	59.8	0.3	-0.6	0.0	0.0	6.1	0.0	0.0	17.7

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
126	17476832.83	4753957.31	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	59.8	0.5	-1.2	0.0	0.0	7.4	0.0	0.0	17.2
126	17476832.83	4753957.31	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	59.8	1.0	-1.2	0.0	0.0	9.0	0.0	0.0	17.3
126	17476832.83	4753957.31	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	59.8	2.7	-1.2	0.0	0.0	11.1	0.0	0.0	10.8
126	17476832.83	4753957.31	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	59.8	9.1	-1.2	0.0	0.0	13.5	0.0	0.0	-3.2
126	17476832.83	4753957.31	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	59.8	32.4	-1.2	0.0	0.0	15.9	0.0	0.0	-35.0
133	17476832.83	4753957.31	9.00	1	D	250	83.4	0.0	0.0	0.0	0.0	62.8	0.4	-0.6	0.0	0.0	0.0	0.0	0.0	20.8
133	17476832.83	4753957.31	9.00	1	D	500	86.8	0.0	0.0	0.0	-3.0	62.8	0.7	-1.2	0.0	0.0	0.0	0.0	0.0	21.5
133	17476832.83	4753957.31	9.00	1	D	1000	86.0	0.0	0.0	0.0	0.0	62.8	1.4	-1.2	0.0	0.0	0.0	0.0	0.0	23.0
133	17476832.83	4753957.31	9.00	1	D	2000	83.2	0.0	0.0	0.0	0.0	62.8	3.8	-1.2	0.0	0.0	0.0	0.0	0.0	17.9
133	17476832.83	4753957.31	9.00	1	D	4000	78.0	0.0	0.0	0.0	0.0	62.8	12.7	-1.2	0.0	0.0	0.0	0.0	0.0	3.7
133	17476832.83	4753957.31	9.00	1	D	8000	71.9	0.0	0.0	0.0	0.0	62.8	45.4	-1.2	0.0	0.0	0.0	0.0	0.0	-35.1
135	17476832.83	4753957.31	9.00	1	D	500	86.8	0.0	0.0	0.0	-3.0	63.6	0.8	-1.7	0.0	0.0	0.0	0.0	0.0	21.1
135	17476832.83	4753957.31	9.00	1	D	1000	86.0	0.0	0.0	0.0	0.0	63.6	1.6	-1.7	0.0	0.0	0.0	0.0	0.0	22.6
135	17476832.83	4753957.31	9.00	1	D	2000	83.2	0.0	0.0	0.0	0.0	63.6	4.1	-1.7	0.0	0.0	0.0	0.0	0.0	17.3
135	17476832.83	4753957.31	9.00	1	D	4000	78.0	0.0	0.0	0.0	0.0	63.6	13.9	-1.7	0.0	0.0	0.0	0.0	0.0	2.2
135	17476832.83	4753957.31	9.00	1	D	8000	71.9	0.0	0.0	0.0	0.0	63.6	49.6	-1.7	0.0	0.0	0.0	0.0	0.0	-39.6

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
138	17476839.12	4753930.56	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	60.1	0.0	-3.0	0.0	0.0	5.0	0.0	0.0	4.7
138	17476839.12	4753930.56	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	60.1	0.1	0.7	0.0	0.0	5.3	0.0	0.0	16.6
138	17476839.12	4753930.56	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	60.1	0.3	-0.8	0.0	0.0	6.0	0.0	0.0	17.8
138	17476839.12	4753930.56	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	60.1	0.6	-1.4	0.0	0.0	6.9	0.0	0.0	17.5
138	17476839.12	4753930.56	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	60.1	1.0	-1.4	0.0	0.0	8.6	0.0	0.0	17.6
138	17476839.12	4753930.56	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	60.1	2.8	-1.4	0.0	0.0	10.6	0.0	0.0	11.1
138	17476839.12	4753930.56	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	60.1	9.4	-1.4	0.0	0.0	12.9	0.0	0.0	-3.0
138	17476839.12	4753930.56	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	60.1	33.5	-1.4	0.0	0.0	15.4	0.0	0.0	-35.7
143	17476839.12	4753930.56	9.00	1	D	250	83.4	0.0	0.0	0.0	0.0	63.0	0.4	-1.2	0.0	0.0	0.0	0.0	0.0	21.2
143	17476839.12	4753930.56	9.00	1	D	500	86.8	0.0	0.0	0.0	-3.0	63.0	0.8	-1.7	0.0	0.0	0.0	0.0	0.0	21.7
143	17476839.12	4753930.56	9.00	1	D	1000	86.0	0.0	0.0	0.0	0.0	63.0	1.5	-1.7	0.0	0.0	0.0	0.0	0.0	23.2
143	17476839.12	4753930.56	9.00	1	D	2000	83.2	0.0	0.0	0.0	0.0	63.0	3.8	-1.7	0.0	0.0	0.0	0.0	0.0	18.0
143	17476839.12	4753930.56	9.00	1	D	4000	78.0	0.0	0.0	0.0	0.0	63.0	13.0	-1.7	0.0	0.0	0.0	0.0	0.0	3.7
143	17476839.12	4753930.56	9.00	1	D	8000	71.9	0.0	0.0	0.0	0.0	63.0	46.5	-1.7	0.0	0.0	0.0	0.0	0.0	-35.9
147	17476839.12	4753930.56	9.00	2	D	4000	78.0	0.0	0.0	0.0	0.0	63.8	14.3	-1.8	0.0	0.0	15.9	0.0	0.0	-14.2
147	17476839.12	4753930.56	9.00	2	D	8000	71.9	0.0	0.0	0.0	0.0	63.8	51.0	-1.8	0.0	0.0	19.7	0.0	0.0	-60.8

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
150	17476828.11	4753865.78	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	60.4	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	4.6
150	17476828.11	4753865.78	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	60.4	0.1	-0.8	0.0	0.0	5.1	0.0	0.0	18.2
150	17476828.11	4753865.78	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	60.4	0.3	-1.7	0.0	0.0	5.5	0.0	0.0	18.9
150	17476828.11	4753865.78	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	60.4	0.6	-2.0	0.0	0.0	6.2	0.0	0.0	18.6
150	17476828.11	4753865.78	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	60.4	1.1	-2.0	0.0	0.0	7.4	0.0	0.0	19.2
150	17476828.11	4753865.78	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	60.4	2.8	-2.0	0.0	0.0	9.2	0.0	0.0	12.8
150	17476828.11	4753865.78	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	60.4	9.6	-2.0	0.0	0.0	11.3	0.0	0.0	-1.3
150	17476828.11	4753865.78	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	60.4	34.3	-2.0	0.0	0.0	13.7	0.0	0.0	-34.5
153	17476828.11	4753865.78	9.00	1	D	250	83.4	0.0	0.0	0.0	0.0	63.1	0.4	-1.2	0.0	0.0	0.0	0.0	0.0	21.1
153	17476828.11	4753865.78	9.00	1	D	500	86.8	0.0	0.0	0.0	-3.0	63.1	0.8	-1.6	0.0	0.0	0.0	0.0	0.0	21.6
153	17476828.11	4753865.78	9.00	1	D	1000	86.0	0.0	0.0	0.0	0.0	63.1	1.5	-1.6	0.0	0.0	0.0	0.0	0.0	23.1
153	17476828.11	4753865.78	9.00	1	D	2000	83.2	0.0	0.0	0.0	0.0	63.1	3.9	-1.6	0.0	0.0	0.0	0.0	0.0	17.9
153	17476828.11	4753865.78	9.00	1	D	4000	78.0	0.0	0.0	0.0	0.0	63.1	13.1	-1.6	0.0	0.0	0.0	0.0	0.0	3.4
153	17476828.11	4753865.78	9.00	1	D	8000	71.9	0.0	0.0	0.0	0.0	63.1	46.9	-1.6	0.0	0.0	0.0	0.0	0.0	-36.4

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
158	17476846.99	4753896.52	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	60.6	0.0	-3.0	0.0	0.0	4.9	0.0	0.0	4.3
158	17476846.99	4753896.52	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	60.6	0.1	-0.3	0.0	0.0	5.2	0.0	0.0	17.3
158	17476846.99	4753896.52	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	60.6	0.3	-1.4	0.0	0.0	5.7	0.0	0.0	18.2
158	17476846.99	4753896.52	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	60.6	0.6	-1.8	0.0	0.0	6.6	0.0	0.0	17.8
158	17476846.99	4753896.52	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	60.6	1.1	-1.8	0.0	0.0	8.1	0.0	0.0	18.0
158	17476846.99	4753896.52	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	60.6	2.9	-1.8	0.0	0.0	9.9	0.0	0.0	11.5

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
158	17476846.99	4753896.52	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	60.6	9.9	-1.8	0.0	0.0	12.2	0.0	0.0	-2.9
158	17476846.99	4753896.52	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	60.6	35.2	-1.8	0.0	0.0	14.6	0.0	0.0	-36.8
161	17476846.99	4753896.52	9.00	1	D	250	83.4	0.0	0.0	0.0	0.0	63.3	0.4	-1.2	0.0	0.0	0.0	0.0	0.0	20.9
161	17476846.99	4753896.52	9.00	1	D	500	86.8	0.0	0.0	0.0	-3.0	63.3	0.8	-1.7	0.0	0.0	0.0	0.0	0.0	21.4
161	17476846.99	4753896.52	9.00	1	D	1000	86.0	0.0	0.0	0.0	0.0	63.3	1.5	-1.7	0.0	0.0	0.0	0.0	0.0	22.9
161	17476846.99	4753896.52	9.00	1	D	2000	83.2	0.0	0.0	0.0	0.0	63.3	4.0	-1.7	0.0	0.0	0.0	0.0	0.0	17.6
161	17476846.99	4753896.52	9.00	1	D	4000	78.0	0.0	0.0	0.0	0.0	63.3	13.5	-1.7	0.0	0.0	0.0	0.0	0.0	2.9
161	17476846.99	4753896.52	9.00	1	D	8000	71.9	0.0	0.0	0.0	0.0	63.3	48.1	-1.7	0.0	0.0	0.0	0.0	0.0	-37.8

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
167	17476852.55	4753871.66	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	61.0	0.0	-3.0	0.0	0.0	4.9	0.0	0.0	4.0
167	17476852.55	4753871.66	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	61.0	0.1	-0.8	0.0	0.0	5.1	0.0	0.0	17.5
167	17476852.55	4753871.66	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	61.0	0.3	-1.7	0.0	0.0	5.6	0.0	0.0	18.2
167	17476852.55	4753871.66	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	61.0	0.6	-2.0	0.0	0.0	6.4	0.0	0.0	17.8
167	17476852.55	4753871.66	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	61.0	1.2	-2.0	0.0	0.0	7.6	0.0	0.0	18.3
167	17476852.55	4753871.66	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	61.0	3.0	-2.0	0.0	0.0	9.5	0.0	0.0	11.7
167	17476852.55	4753871.66	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	61.0	10.3	-2.0	0.0	0.0	11.6	0.0	0.0	-2.9
167	17476852.55	4753871.66	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	61.0	36.8	-2.0	0.0	0.0	14.1	0.0	0.0	-37.9
170	17476852.55	4753871.66	9.00	1	D	250	83.4	0.0	0.0	0.0	0.0	63.5	0.4	-1.3	0.0	0.0	0.0	0.0	0.0	20.8
170	17476852.55	4753871.66	9.00	1	D	500	86.8	0.0	0.0	0.0	-3.0	63.5	0.8	-1.8	0.0	0.0	0.0	0.0	0.0	21.2
170	17476852.55	4753871.66	9.00	1	D	1000	86.0	0.0	0.0	0.0	0.0	63.5	1.5	-1.8	0.0	0.0	0.0	0.0	0.0	22.7
170	17476852.55	4753871.66	9.00	1	D	2000	83.2	0.0	0.0	0.0	0.0	63.5	4.1	-1.8	0.0	0.0	0.0	0.0	0.0	17.4
170	17476852.55	4753871.66	9.00	1	D	4000	78.0	0.0	0.0	0.0	0.0	63.5	13.9	-1.8	0.0	0.0	0.0	0.0	0.0	2.4
170	17476852.55	4753871.66	9.00	1	D	8000	71.9	0.0	0.0	0.0	0.0	63.5	49.4	-1.8	0.0	0.0	0.0	0.0	0.0	-39.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
176	17476799.07	4754181.61	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	61.0	0.0	-3.0	0.0	0.0	12.8	0.0	0.0	-4.0
176	17476799.07	4754181.61	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	61.0	0.1	3.6	0.0	0.0	15.3	0.0	0.0	2.9
176	17476799.07	4754181.61	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	61.0	0.3	0.9	0.0	0.0	18.8	0.0	0.0	2.3
176	17476799.07	4754181.61	9.00	0	D	500	86.8	0.0	0.0	0.0	0.0	61.0	0.6	0.0	0.0	0.0	21.7	0.0	0.0	3.5
176	17476799.07	4754181.61	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	61.0	1.2	0.0	0.0	0.0	23.3	0.0	0.0	0.6
176	17476799.07	4754181.61	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	61.0	3.1	-0.0	0.0	0.0	24.1	0.0	0.0	-5.0
176	17476799.07	4754181.61	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	61.0	10.4	-0.0	0.0	0.0	24.5	0.0	0.0	-17.9
176	17476799.07	4754181.61	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	61.0	37.0	-0.0	0.0	0.0	24.8	0.0	0.0	-50.9
180	17476799.07	4754181.61	9.00	1	D	4000	78.0	0.0	0.0	0.0	0.0	63.7	14.2	-1.1	0.0	0.0	25.0	0.0	1.0	-24.9
180	17476799.07	4754181.61	9.00	1	D	8000	71.9	0.0	0.0	0.0	0.0	63.7	50.7	-1.1	0.0	0.0	25.0	0.0	1.0	-67.5

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
183	17476410.96	4753916.67	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	55.0	0.3	-0.8	0.0	0.0	6.0	0.0	0.0	21.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
186	17476877.20	4753606.53	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	64.8	0.1	-3.4	0.0	0.0	17.5	0.0	0.0	-10.2
186	17476877.20	4753606.53	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	64.8	0.2	0.2	0.0	0.0	20.0	0.0	0.0	-0.3
186	17476877.20	4753606.53	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	64.8	0.5	-1.1	0.0	0.0	22.2	0.0	0.0	-1.1
186	17476877.20	4753606.53	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	64.8	0.9	-1.4	0.0	0.0	23.7	0.0	0.0	-2.3
186	17476877.20	4753606.53	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	64.8	1.8	-1.4	0.0	0.0	24.5	0.0	0.0	-1.6
186	17476877.20	4753606.53	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	64.8	4.7	-1.4	0.0	0.0	24.7	0.0	0.0	-7.7
186	17476877.20	4753606.53	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	64.8	16.1	-1.4	0.0	0.0	24.9	0.0	0.0	-24.4
186	17476877.20	4753606.53	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	64.8	57.4	-1.4	0.0	0.0	24.9	0.0	0.0	-71.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
193	17476909.61	4753613.98	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	65.1	0.1	-3.5	0.0	0.0	18.0	0.0	0.0	-10.8
193	17476909.61	4753613.98	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	65.1	0.2	0.1	0.0	0.0	20.4	0.0	0.0	-0.9
193	17476909.61	4753613.98	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	65.1	0.5	-1.2	0.0	0.0	22.5	0.0	0.0	-1.5

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
193	17476909.61	4753613.98	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	65.1	1.0	-1.6	0.0	0.0	23.9	0.0	0.0	-2.5
193	17476909.61	4753613.98	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	65.1	1.9	-1.6	0.0	0.0	24.5	0.0	0.0	-1.8
193	17476909.61	4753613.98	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	65.1	4.9	-1.6	0.0	0.0	24.8	0.0	0.0	-7.9
193	17476909.61	4753613.98	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	65.1	16.6	-1.6	0.0	0.0	24.9	0.0	0.0	-25.0
193	17476909.61	4753613.98	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	65.1	59.3	-1.6	0.0	0.0	24.9	0.0	0.0	-73.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
204	17476882.13	4753584.28	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	65.2	0.1	-3.5	0.0	0.0	17.3	0.0	0.0	-10.2
204	17476882.13	4753584.28	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	65.2	0.2	0.2	0.0	0.0	19.8	0.0	0.0	-0.4
204	17476882.13	4753584.28	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	65.2	0.5	-1.1	0.0	0.0	22.1	0.0	0.0	-1.3
204	17476882.13	4753584.28	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	65.2	1.0	-1.4	0.0	0.0	23.7	0.0	0.0	-2.6
204	17476882.13	4753584.28	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	65.2	1.9	-1.4	0.0	0.0	24.4	0.0	0.0	-2.0
204	17476882.13	4753584.28	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	65.2	4.9	-1.4	0.0	0.0	24.7	0.0	0.0	-8.2
204	17476882.13	4753584.28	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	65.2	16.7	-1.4	0.0	0.0	24.9	0.0	0.0	-25.3
204	17476882.13	4753584.28	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	65.2	59.7	-1.4	0.0	0.0	24.9	0.0	0.0	-74.5

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
210	17476865.95	4753702.24	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.3	0.1	-3.0	0.0	0.0	4.7	0.0	0.0	1.7
210	17476865.95	4753702.24	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.3	0.2	0.0	0.0	0.0	4.8	0.0	0.0	14.6
210	17476865.95	4753702.24	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.3	0.4	-1.1	0.0	0.0	4.9	0.0	0.0	15.8
210	17476865.95	4753702.24	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.3	0.8	-1.5	0.0	0.0	5.2	0.0	0.0	15.9
210	17476865.95	4753702.24	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.3	1.5	-1.5	0.0	0.0	5.8	0.0	0.0	16.8
210	17476865.95	4753702.24	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.3	4.0	-1.5	0.0	0.0	6.6	0.0	0.0	10.7
210	17476865.95	4753702.24	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.3	13.6	-1.5	0.0	0.0	8.1	0.0	0.0	-5.6
210	17476865.95	4753702.24	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.3	48.4	-1.5	0.0	0.0	10.0	0.0	0.0	-48.4

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
220	17476793.19	4754153.93	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	60.4	0.0	-3.0	0.0	0.0	12.9	0.0	0.0	-6.5
220	17476793.19	4754153.93	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	60.4	0.1	3.6	0.0	0.0	15.4	0.0	0.0	0.4
220	17476793.19	4754153.93	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	60.4	0.3	0.9	0.0	0.0	19.0	0.0	0.0	-0.2
220	17476793.19	4754153.93	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	60.4	0.6	0.0	0.0	0.0	21.8	0.0	0.0	1.1
220	17476793.19	4754153.93	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	60.4	1.1	0.0	0.0	0.0	23.3	0.0	0.0	-1.8
220	17476793.19	4754153.93	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	60.4	2.8	0.0	0.0	0.0	24.1	0.0	0.0	-7.1
220	17476793.19	4754153.93	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	60.4	9.7	0.0	0.0	0.0	24.5	0.0	0.0	-19.6
220	17476793.19	4754153.93	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	60.4	34.4	0.0	0.0	0.0	24.8	0.0	0.0	-50.7
223	17476793.19	4754153.93	9.00	1	D	4000	75.0	0.0	0.0	0.0	0.0	63.2	13.3	-1.1	0.0	0.0	25.0	0.0	1.0	-26.4
223	17476793.19	4754153.93	9.00	1	D	8000	68.9	0.0	0.0	0.0	0.0	63.2	47.6	-1.1	0.0	0.0	25.0	0.0	1.0	-66.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
227	17476914.55	4753592.78	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	65.4	0.1	-3.6	0.0	0.0	17.8	0.0	0.0	-10.9
227	17476914.55	4753592.78	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	65.4	0.2	0.1	0.0	0.0	20.2	0.0	0.0	-1.0
227	17476914.55	4753592.78	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	65.4	0.5	-1.2	0.0	0.0	22.4	0.0	0.0	-1.7
227	17476914.55	4753592.78	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	65.4	1.0	-1.7	0.0	0.0	23.8	0.0	0.0	-2.8
227	17476914.55	4753592.78	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	65.4	1.9	-1.7	0.0	0.0	24.5	0.0	0.0	-2.2
227	17476914.55	4753592.78	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	65.4	5.1	-1.7	0.0	0.0	24.8	0.0	0.0	-8.4
227	17476914.55	4753592.78	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	65.4	17.2	-1.7	0.0	0.0	24.9	0.0	0.0	-25.9
227	17476914.55	4753592.78	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	65.4	61.5	-1.7	0.0	0.0	24.9	0.0	0.0	-76.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
234	17476886.43	4753565.29	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	65.5	0.1	-3.6	0.0	0.0	17.1	0.0	0.0	-10.2
234	17476886.43	4753565.29	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	65.5	0.2	0.2	0.0	0.0	19.6	0.0	0.0	-0.6
234	17476886.43	4753565.29	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	65.5	0.6	-1.0	0.0	0.0	21.9	0.0	0.0	-1.5
234	17476886.43	4753565.29	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	65.5	1.0	-1.4	0.0	0.0	23.6	0.0	0.0	-2.8
234	17476886.43	4753565.29	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	65.5	1.9	-1.4	0.0	0.0	24.4	0.0	0.0	-2.4

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
234	17476886.43	4753565.29	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	65.5	5.1	-1.4	0.0	0.0	24.7	0.0	0.0	-8.6
234	17476886.43	4753565.29	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	65.5	17.3	-1.4	0.0	0.0	24.9	0.0	0.0	-26.2
234	17476886.43	4753565.29	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	65.5	61.8	-1.4	0.0	0.0	24.9	0.0	0.0	-76.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
242	17476887.14	4753708.11	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.6	0.1	-3.0	0.0	0.0	4.7	0.0	0.0	1.5
242	17476887.14	4753708.11	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.6	0.2	-0.5	0.0	0.0	4.8	0.0	0.0	14.8
242	17476887.14	4753708.11	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.6	0.4	-1.4	0.0	0.0	5.0	0.0	0.0	15.8
242	17476887.14	4753708.11	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.6	0.8	-1.7	0.0	0.0	5.3	0.0	0.0	15.7
242	17476887.14	4753708.11	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.6	1.6	-1.7	0.0	0.0	5.9	0.0	0.0	16.6
242	17476887.14	4753708.11	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.6	4.1	-1.7	0.0	0.0	6.9	0.0	0.0	10.3
242	17476887.14	4753708.11	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.6	14.0	-1.7	0.0	0.0	8.6	0.0	0.0	-6.5
242	17476887.14	4753708.11	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.6	49.9	-1.7	0.0	0.0	10.6	0.0	0.0	-50.4

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
249	17476869.99	4753684.35	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.7	0.1	-3.1	0.0	0.0	4.7	0.0	0.0	1.5
249	17476869.99	4753684.35	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.7	0.2	0.2	0.0	0.0	4.8	0.0	0.0	14.1
249	17476869.99	4753684.35	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.7	0.4	-1.0	0.0	0.0	4.9	0.0	0.0	15.4
249	17476869.99	4753684.35	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.7	0.8	-1.4	0.0	0.0	5.2	0.0	0.0	15.5
249	17476869.99	4753684.35	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.7	1.6	-1.4	0.0	0.0	5.6	0.0	0.0	16.5
249	17476869.99	4753684.35	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.7	4.2	-1.4	0.0	0.0	6.5	0.0	0.0	10.3
249	17476869.99	4753684.35	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.7	14.1	-1.4	0.0	0.0	7.9	0.0	0.0	-6.2
249	17476869.99	4753684.35	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.7	50.2	-1.4	0.0	0.0	9.6	0.0	0.0	-50.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
255	17476919.48	4753572.53	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	65.7	0.1	-3.7	0.0	0.0	17.6	0.0	0.0	-10.9
255	17476919.48	4753572.53	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	65.7	0.2	-0.1	0.0	0.0	20.1	0.0	0.0	-1.1
255	17476919.48	4753572.53	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	65.7	0.6	-1.3	0.0	0.0	22.3	0.0	0.0	-1.8
255	17476919.48	4753572.53	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	65.7	1.0	-1.7	0.0	0.0	23.8	0.0	0.0	-3.0
255	17476919.48	4753572.53	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	65.7	2.0	-1.7	0.0	0.0	24.5	0.0	0.0	-2.4
255	17476919.48	4753572.53	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	65.7	5.3	-1.7	0.0	0.0	24.7	0.0	0.0	-8.8
255	17476919.48	4753572.53	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	65.7	17.8	-1.7	0.0	0.0	24.9	0.0	0.0	-26.7
255	17476919.48	4753572.53	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	65.7	63.6	-1.7	0.0	0.0	24.9	0.0	0.0	-78.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
262	17476891.60	4753689.80	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.9	0.1	-3.1	0.0	0.0	4.7	0.0	0.0	1.3
262	17476891.60	4753689.80	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.9	0.2	-0.3	0.0	0.0	4.8	0.0	0.0	14.3
262	17476891.60	4753689.80	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.9	0.5	-1.4	0.0	0.0	5.0	0.0	0.0	15.4
262	17476891.60	4753689.80	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.9	0.9	-1.7	0.0	0.0	5.3	0.0	0.0	15.5
262	17476891.60	4753689.80	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.9	1.6	-1.7	0.0	0.0	5.8	0.0	0.0	16.3
262	17476891.60	4753689.80	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.9	4.3	-1.7	0.0	0.0	6.8	0.0	0.0	10.0
262	17476891.60	4753689.80	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.9	14.5	-1.7	0.0	0.0	8.3	0.0	0.0	-7.0
262	17476891.60	4753689.80	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.9	51.7	-1.7	0.0	0.0	10.2	0.0	0.0	-52.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
269	17476875.30	4753661.98	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	64.0	0.1	-3.2	0.0	0.0	18.2	0.0	0.0	-12.3
269	17476875.30	4753661.98	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	64.0	0.2	0.5	0.0	0.0	20.4	0.0	0.0	-2.2
269	17476875.30	4753661.98	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	64.0	0.5	-0.9	0.0	0.0	22.6	0.0	0.0	-2.8
269	17476875.30	4753661.98	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	64.0	0.9	-1.3	0.0	0.0	23.9	0.0	0.0	-3.7
269	17476875.30	4753661.98	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	64.0	1.6	-1.3	0.0	0.0	24.5	0.0	0.0	-2.9
269	17476875.30	4753661.98	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	64.0	4.3	-1.3	0.0	0.0	24.8	0.0	0.0	-8.6
269	17476875.30	4753661.98	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	64.0	14.7	-1.3	0.0	0.0	24.9	0.0	0.0	-24.3
269	17476875.30	4753661.98	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	64.0	52.5	-1.3	0.0	0.0	24.9	0.0	0.0	-68.2

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
280	17476896.71	4753666.74	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	64.3	0.1	-3.3	0.0	0.0	4.7	0.0	0.0	1.0
280	17476896.71	4753666.74	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	64.3	0.2	-0.1	0.0	0.0	4.8	0.0	0.0	13.8
280	17476896.71	4753666.74	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	64.3	0.5	-1.3	0.0	0.0	4.9	0.0	0.0	15.0
280	17476896.71	4753666.74	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	64.3	0.9	-1.6	0.0	0.0	5.2	0.0	0.0	15.1
280	17476896.71	4753666.74	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	64.3	1.7	-1.6	0.0	0.0	5.7	0.0	0.0	16.0
280	17476896.71	4753666.74	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	64.3	4.5	-1.6	0.0	0.0	6.5	0.0	0.0	9.6
280	17476896.71	4753666.74	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	64.3	15.1	-1.6	0.0	0.0	8.0	0.0	0.0	-7.7
280	17476896.71	4753666.74	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	64.3	53.9	-1.6	0.0	0.0	9.8	0.0	0.0	-54.4

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
285	17476881.29	4753635.90	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	64.5	0.1	-3.3	0.0	0.0	18.0	0.0	0.0	-12.4
285	17476881.29	4753635.90	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	64.5	0.2	0.4	0.0	0.0	20.3	0.0	0.0	-2.4
285	17476881.29	4753635.90	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	64.5	0.5	-1.0	0.0	0.0	22.4	0.0	0.0	-3.0
285	17476881.29	4753635.90	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	64.5	0.9	-1.4	0.0	0.0	23.9	0.0	0.0	-4.0
285	17476881.29	4753635.90	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	64.5	1.7	-1.4	0.0	0.0	24.5	0.0	0.0	-3.3
285	17476881.29	4753635.90	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	64.5	4.6	-1.4	0.0	0.0	24.8	0.0	0.0	-9.2
285	17476881.29	4753635.90	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	64.5	15.5	-1.4	0.0	0.0	24.9	0.0	0.0	-25.4
285	17476881.29	4753635.90	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	64.5	55.1	-1.4	0.0	0.0	24.9	0.0	0.0	-71.3

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
290	17476424.17	4753915.66	13.50	0	D	500	81.8	0.0	0.0	0.0	-3.0	54.3	0.3	-0.9	0.0	0.0	5.8	0.0	0.0	19.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
292	17476804.11	4754208.80	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	61.6	0.0	-3.0	0.0	0.0	12.6	0.0	0.0	-7.4
292	17476804.11	4754208.80	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	61.6	0.1	3.6	0.0	0.0	15.1	0.0	0.0	-0.5
292	17476804.11	4754208.80	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	61.6	0.4	0.9	0.0	0.0	18.7	0.0	0.0	-1.1
292	17476804.11	4754208.80	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	61.6	0.7	0.0	0.0	0.0	21.6	0.0	0.0	-0.1
292	17476804.11	4754208.80	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	61.6	1.2	0.0	0.0	0.0	23.2	0.0	0.0	-3.1
292	17476804.11	4754208.80	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	61.6	3.3	-0.0	0.0	0.0	24.1	0.0	0.0	-8.7
292	17476804.11	4754208.80	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	61.6	11.1	-0.0	0.0	0.0	24.5	0.0	0.0	-22.2
292	17476804.11	4754208.80	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	61.6	39.5	-0.0	0.0	0.0	24.8	0.0	0.0	-57.0
297	17476804.11	4754208.80	9.00	1	D	4000	75.0	0.0	0.0	0.0	0.0	64.3	15.1	-1.1	0.0	0.0	25.0	0.0	1.0	-29.2
297	17476804.11	4754208.80	9.00	1	D	8000	68.9	0.0	0.0	0.0	0.0	64.3	53.8	-1.1	0.0	0.0	25.0	0.0	1.0	-74.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
300	17476902.38	4753640.73	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	64.7	0.1	-3.4	0.0	0.0	18.2	0.0	0.0	-12.8
300	17476902.38	4753640.73	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	64.7	0.2	0.1	0.0	0.0	20.6	0.0	0.0	-2.7
300	17476902.38	4753640.73	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	64.7	0.5	-1.2	0.0	0.0	22.6	0.0	0.0	-3.2
300	17476902.38	4753640.73	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	64.7	0.9	-1.6	0.0	0.0	23.9	0.0	0.0	-4.2
300	17476902.38	4753640.73	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	64.7	1.8	-1.6	0.0	0.0	24.5	0.0	0.0	-3.4
300	17476902.38	4753640.73	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	64.7	4.7	-1.6	0.0	0.0	24.8	0.0	0.0	-9.3
300	17476902.38	4753640.73	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	64.7	15.8	-1.6	0.0	0.0	24.9	0.0	0.0	-25.8
300	17476902.38	4753640.73	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	64.7	56.5	-1.6	0.0	0.0	24.9	0.0	0.0	-72.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
306	17476802.00	4754220.93	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	61.8	0.0	-3.0	0.0	0.0	12.4	0.0	0.0	-7.4
306	17476802.00	4754220.93	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	61.8	0.1	3.6	0.0	0.0	14.9	0.0	0.0	-0.5
306	17476802.00	4754220.93	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	61.8	0.4	0.9	0.0	0.0	18.5	0.0	0.0	-1.2
306	17476802.00	4754220.93	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	61.8	0.7	0.0	0.0	0.0	21.5	0.0	0.0	-0.2
306	17476802.00	4754220.93	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	61.8	1.3	0.0	0.0	0.0	23.2	0.0	0.0	-3.2
306	17476802.00	4754220.93	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	61.8	3.3	-0.0	0.0	0.0	24.1	0.0	0.0	-8.9
306	17476802.00	4754220.93	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	61.8	11.3	-0.0	0.0	0.0	24.5	0.0	0.0	-22.6
306	17476802.00	4754220.93	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	61.8	40.3	-0.0	0.0	0.0	24.7	0.0	0.0	-57.9
315	17476802.00	4754220.93	9.00	1	D	4000	75.0	0.0	0.0	0.0	0.0	64.4	15.4	-1.2	0.0	0.0	25.0	0.0	1.0	-29.7

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
315	17476802.00	4754220.93	9.00	1	D	8000	68.9	0.0	0.0	0.0	0.0	64.4	54.9	-1.2	0.0	0.0	25.0	0.0	1.0	-75.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
319	17476817.92	4754211.44	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	61.9	0.0	-3.0	0.0	0.0	12.6	0.0	0.0	-7.8
319	17476817.92	4754211.44	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	61.9	0.1	3.6	0.0	0.0	15.1	0.0	0.0	-0.9
319	17476817.92	4754211.44	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	61.9	0.4	0.9	0.0	0.0	18.7	0.0	0.0	-1.5
319	17476817.92	4754211.44	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	61.9	0.7	0.0	0.0	0.0	21.7	0.0	0.0	-0.4
319	17476817.92	4754211.44	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	61.9	1.3	0.0	0.0	0.0	23.3	0.0	0.0	-3.4
319	17476817.92	4754211.44	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	61.9	3.4	0.0	0.0	0.0	24.1	0.0	0.0	-9.2
319	17476817.92	4754211.44	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	61.9	11.5	0.0	0.0	0.0	24.5	0.0	0.0	-22.9
319	17476817.92	4754211.44	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	61.9	40.9	0.0	0.0	0.0	24.8	0.0	0.0	-58.7
325	17476817.92	4754211.44	9.00	1	D	4000	75.0	0.0	0.0	0.0	0.0	64.4	15.4	-1.1	0.0	0.0	25.0	0.0	1.0	-29.7
325	17476817.92	4754211.44	9.00	1	D	8000	68.9	0.0	0.0	0.0	0.0	64.4	54.8	-1.1	0.0	0.0	25.0	0.0	1.0	-75.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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	17476864.97	4753808.27	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	61.9	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	0.0
329	17476864.97	4753808.27	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	61.9	0.1	-0.8	0.0	0.0	5.0	0.0	0.0	13.6
329	17476864.97	4753808.27	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	61.9	0.4	-1.6	0.0	0.0	5.3	0.0	0.0	14.4
329	17476864.97	4753808.27	9.00	0	D	500	83.8	0.0	0.0	0.0	-3.0	61.9	0.7	-1.9	0.0	0.0	5.9	0.0	0.0	14.2
329	17476864.97	4753808.27	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	61.9	1.3	-1.9	0.0	0.0	6.8	0.0	0.0	14.8
329	17476864.97	4753808.27	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	61.9	3.4	-1.9	0.0	0.0	8.4	0.0	0.0	8.3
329	17476864.97	4753808.27	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	61.9	11.5	-1.9	0.0	0.0	10.3	0.0	0.0	-6.9
329	17476864.97	4753808.27	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	61.9	41.1	-1.9	0.0	0.0	12.6	0.0	0.0	-44.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
336	17476868.38	4753793.87	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	62.2	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	-0.2
336	17476868.38	4753793.87	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	62.2	0.1	-0.6	0.0	0.0	4.9	0.0	0.0	13.2
336	17476868.38	4753793.87	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	62.2	0.4	-1.5	0.0	0.0	5.2	0.0	0.0	14.1
336	17476868.38	4753793.87	9.00	0	D	500	83.8	0.0	0.0	0.0	-3.0	62.2	0.7	-1.8	0.0	0.0	5.8	0.0	0.0	13.9
336	17476868.38	4753793.87	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	62.2	1.3	-1.8	0.0	0.0	6.7	0.0	0.0	14.6
336	17476868.38	4753793.87	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	62.2	3.5	-1.8	0.0	0.0	8.2	0.0	0.0	8.1
336	17476868.38	4753793.87	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	62.2	11.9	-1.8	0.0	0.0	10.1	0.0	0.0	-7.3
336	17476868.38	4753793.87	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	62.2	42.3	-1.8	0.0	0.0	12.3	0.0	0.0	-46.1

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
343	17476794.07	4754000.64	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	58.5	0.5	-0.6	0.0	0.0	11.4	0.0	0.0	12.2
344	17476794.07	4754000.64	8.80	1	D	500	82.0	0.0	0.0	0.0	0.0	62.8	0.8	-1.6	0.0	0.0	0.0	0.0	0.0	20.0

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
350	17476796.39	4754000.84	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	58.6	0.5	-0.6	0.0	0.0	11.4	0.0	0.0	12.1
366	17476796.39	4754000.84	8.80	1	D	500	82.0	0.0	0.0	0.0	0.0	62.9	0.8	-1.6	0.0	0.0	0.0	0.0	0.0	20.0

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
370	17476805.97	4754003.08	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	59.0	0.5	-0.6	0.0	0.0	11.5	0.0	0.0	11.6
372	17476805.97	4754003.08	8.80	1	D	500	82.0	0.0	0.0	0.0	0.0	63.1	0.8	-1.6	0.0	0.0	0.0	0.0	0.0	19.8

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
375	17476811.72	4753999.05	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	59.2	0.5	-0.7	0.0	0.0	11.0	0.0	0.0	12.0
377	17476811.72	4753999.05	8.80	1	D	500	82.0	0.0	0.0	0.0	0.0	63.2	0.8	-1.7	0.0	0.0	0.0	0.0	0.0	19.7

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
381	17476822.10	4754005.40	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	59.5	0.5	-0.7	0.0	0.0	11.6	0.0	0.0	11.0
384	17476822.10	4754005.40	8.80	1	D	500	82.0	0.0	0.0	0.0	0.0	63.4	0.8	-1.7	0.0	0.0	0.0	0.0	0.0	19.5

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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	17476801.61	4754112.48	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	59.9	0.5	0.0	0.0	0.0	22.4	0.0	0.0	-0.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
391	17476815.56	4754114.90	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	60.3	0.6	0.0	0.0	0.0	21.9	0.0	0.0	-0.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
395	17476823.11	4754116.73	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	60.6	0.6	0.0	0.0	0.0	21.8	0.0	0.0	-0.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
398	17476831.04	4754117.99	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	60.8	0.6	0.0	0.0	0.0	21.7	0.0	0.0	-1.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
400	17476838.75	4754119.25	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	61.0	0.6	0.0	0.0	0.0	21.6	0.0	0.0	-1.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
402	17476846.88	4754120.40	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	61.2	0.6	0.0	0.0	0.0	21.6	0.0	0.0	-1.4

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
404	17476806.57	4754195.44	9.00	0	D	500	82.0	0.0	0.0	0.0	0.0	61.4	0.6	0.0	0.0	0.0	21.7	0.0	0.0	-1.7

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
406	17476842.68	4753803.20	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.5	0.6	-1.6	0.0	0.0	5.7	0.0	0.0	12.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
408	17476834.52	4753786.13	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.6	0.7	-1.6	0.0	0.0	5.6	0.0	0.0	12.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
410	17476820.10	4754199.22	9.00	0	D	500	82.0	0.0	0.0	0.0	0.0	61.7	0.7	0.0	0.0	0.0	21.7	0.0	0.0	-2.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
412	17476846.10	4753788.80	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.8	0.7	-1.5	0.0	0.0	5.6	0.0	0.0	12.4

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
413	17476849.01	4753776.14	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.0	0.7	-1.6	0.0	0.0	5.6	0.0	0.0	12.3

100% DUTY CYCLE

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
414	17476851.34	4753766.81	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.2	0.7	-1.6	0.0	0.0	5.5	0.0	0.0	12.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
415	17476853.17	4753756.91	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.4	0.7	-1.6	0.0	0.0	5.5	0.0	0.0	12.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
416	17476870.94	4753781.42	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.4	0.7	-1.6	0.0	0.0	5.7	0.0	0.0	11.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
417	17476855.60	4753748.15	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.5	0.7	-1.6	0.0	0.0	5.4	0.0	0.0	11.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
418	17476873.52	4753772.00	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.5	0.7	-1.5	0.0	0.0	5.6	0.0	0.0	11.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
419	17476875.96	4753762.12	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.7	0.7	-1.6	0.0	0.0	5.6	0.0	0.0	11.5

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
420	17476858.46	4753735.22	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.8	0.7	-1.6	0.0	0.0	5.4	0.0	0.0	11.7

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
421	17476877.81	4753753.40	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.9	0.8	-1.7	0.0	0.0	5.6	0.0	0.0	11.5

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
422	17476861.71	4753721.41	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	63.0	0.8	-1.5	0.0	0.0	5.3	0.0	0.0	11.4

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
423	17476880.98	4753740.05	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	63.1	0.8	-1.7	0.0	0.0	5.5	0.0	0.0	11.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
424	17476883.89	4753726.70	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	63.3	0.8	-1.7	0.0	0.0	5.4	0.0	0.0	11.2

Point Source, ISO 9613, Name: "MUA - Ex Apt", ID: "APT_EX"																				
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)
425	17476598.16	4753891.53	53.50	0	D	63	51.8	0.0	0.0	0.0	0.0	51.6	0.0	-3.0	0.0	0.0	18.0	0.0	0.0	-14.8
425	17476598.16	4753891.53	53.50	0	D	125	63.9	0.0	0.0	0.0	0.0	51.6	0.0	-1.1	0.0	0.0	19.2	0.0	0.0	-5.9
425	17476598.16	4753891.53	53.50	0	D	250	63.4	0.0	0.0	0.0	0.0	51.6	0.1	-1.7	0.0	0.0	19.6	0.0	0.0	-6.3
425	17476598.16	4753891.53	53.50	0	D	500	63.8	0.0	0.0	0.0	0.0	51.6	0.2	-2.0	0.0	0.0	19.8	0.0	0.0	-5.9
425	17476598.16	4753891.53	53.50	0	D	1000	64.0	0.0	0.0	0.0	0.0	51.6	0.4	-2.0	0.0	0.0	19.9	0.0	0.0	-6.0
425	17476598.16	4753891.53	53.50	0	D	2000	55.2	0.0	0.0	0.0	0.0	51.6	1.0	-2.0	0.0	0.0	20.0	0.0	0.0	-15.5
425	17476598.16	4753891.53	53.50	0	D	4000	47.0	0.0	0.0	0.0	0.0	51.6	3.5	-2.0	0.0	0.0	20.0	0.0	0.0	-26.2
425	17476598.16	4753891.53	53.50	0	D	8000	49.9	0.0	0.0	0.0	0.0	51.6	12.6	-2.0	0.0	0.0	20.0	0.0	0.0	-32.3
426	17476598.16	4753891.53	53.50	1	D	63	51.8	0.0	0.0	0.0	0.0	52.0	0.0	-3.0	0.0	0.0	23.6	0.0	1.0	-21.8
426	17476598.16	4753891.53	53.50	1	D	125	63.9	0.0	0.0	0.0	0.0	52.0	0.0	-1.1	0.0	0.0	25.0	0.0	1.0	-13.1

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "MUA - Ex Apt", ID: "APT_EX"																				
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)
426	17476598.16	4753891.53	53.50	1	D	250	63.4	0.0	0.0	0.0	0.0	52.0	0.1	-1.7	0.0	0.0	25.0	0.0	1.0	-13.0
426	17476598.16	4753891.53	53.50	1	D	500	63.8	0.0	0.0	0.0	0.0	52.0	0.2	-2.0	0.0	0.0	25.0	0.0	1.0	-12.5
426	17476598.16	4753891.53	53.50	1	D	1000	64.0	0.0	0.0	0.0	0.0	52.0	0.4	-2.0	0.0	0.0	25.0	0.0	1.0	-12.5
426	17476598.16	4753891.53	53.50	1	D	2000	55.2	0.0	0.0	0.0	0.0	52.0	1.1	-2.0	0.0	0.0	25.0	0.0	1.0	-21.9
426	17476598.16	4753891.53	53.50	1	D	4000	47.0	0.0	0.0	0.0	0.0	52.0	3.7	-2.0	0.0	0.0	25.0	0.0	1.0	-32.7
426	17476598.16	4753891.53	53.50	1	D	8000	49.9	0.0	0.0	0.0	0.0	52.0	13.1	-2.0	0.0	0.0	25.0	0.0	1.0	-39.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
427	17476868.49	4753565.82	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	65.3	1.0	-1.2	0.0	0.0	23.5	0.0	0.0	-9.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
428	17476903.11	4753552.18	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	65.8	1.1	-1.6	0.0	0.0	23.6	0.0	0.0	-9.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
429	17476905.52	4753541.58	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	65.9	1.1	-1.6	0.0	0.0	23.6	0.0	0.0	-10.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
430	17476925.88	4753557.22	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	66.0	1.1	-1.8	0.0	0.0	23.7	0.0	0.0	-10.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
431	17476928.50	4753546.41	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	66.1	1.1	-1.9	0.0	0.0	23.7	0.0	0.0	-10.1

100% DUTY CYCLE

Receiver
Name: R5 - Top
ID: R5_TOP
X: 17476587.60 m
Y: 4753981.39 m
Z: 40.00 m

Point Source, ISO 9613, Name: "Cooling Tower - Ex Apt", ID: "CT_EX"																				
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)
3	17476616.40	4753887.48	53.30	0	D	63	76.4	0.0	0.0	0.0	0.0	50.9	0.0	-3.0	0.0	0.0	4.8	0.0	0.0	23.7
3	17476616.40	4753887.48	53.30	0	D	125	85.5	0.0	0.0	0.0	0.0	50.9	0.0	-2.3	0.0	0.0	4.8	0.0	0.0	32.1
3	17476616.40	4753887.48	53.30	0	D	250	93.0	0.0	0.0	0.0	0.0	50.9	0.1	-2.3	0.0	0.0	4.8	0.0	0.0	39.5
3	17476616.40	4753887.48	53.30	0	D	500	89.4	0.0	0.0	0.0	0.0	50.9	0.2	-2.3	0.0	0.0	4.9	0.0	0.0	35.8
3	17476616.40	4753887.48	53.30	0	D	1000	88.6	0.0	0.0	0.0	0.0	50.9	0.4	-2.3	0.0	0.0	5.0	0.0	0.0	34.7
3	17476616.40	4753887.48	53.30	0	D	2000	84.8	0.0	0.0	0.0	0.0	50.9	1.0	-2.3	0.0	0.0	5.1	0.0	0.0	30.1
3	17476616.40	4753887.48	53.30	0	D	4000	82.6	0.0	0.0	0.0	0.0	50.9	3.2	-2.3	0.0	0.0	5.5	0.0	0.0	25.3
3	17476616.40	4753887.48	53.30	0	D	8000	79.5	0.0	0.0	0.0	0.0	50.9	11.6	-2.3	0.0	0.0	6.1	0.0	0.0	13.2

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
6	17476458.73	4753965.13	14.00	0	D	63	66.8	0.0	0.0	0.0	0.0	53.4	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	16.3
6	17476458.73	4753965.13	14.00	0	D	125	82.9	0.0	0.0	0.0	0.0	53.4	0.1	-0.5	0.0	0.0	0.0	0.0	0.0	29.9
6	17476458.73	4753965.13	14.00	0	D	250	83.4	0.0	0.0	0.0	0.0	53.4	0.1	-0.5	0.0	0.0	0.0	0.0	0.0	30.3
6	17476458.73	4753965.13	14.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	53.4	0.3	-0.5	0.0	0.0	0.0	0.0	0.0	30.6
6	17476458.73	4753965.13	14.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	53.4	0.5	-0.5	0.0	0.0	0.0	0.0	0.0	32.6
6	17476458.73	4753965.13	14.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	53.4	1.3	-0.5	0.0	0.0	0.0	0.0	0.0	29.0
6	17476458.73	4753965.13	14.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	53.4	4.3	-0.5	0.0	0.0	0.0	0.0	0.0	20.7
6	17476458.73	4753965.13	14.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	53.4	15.5	-0.5	0.0	0.0	0.0	0.0	0.0	3.5

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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	17476442.58	4753918.62	13.50	0	D	63	66.8	0.0	0.0	0.0	0.0	55.1	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	14.7
10	17476442.58	4753918.62	13.50	0	D	125	82.9	0.0	0.0	0.0	0.0	55.1	0.1	-0.9	0.0	0.0	0.0	0.0	0.0	28.7
10	17476442.58	4753918.62	13.50	0	D	250	83.4	0.0	0.0	0.0	0.0	55.1	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	29.1
10	17476442.58	4753918.62	13.50	0	D	500	86.8	0.0	0.0	0.0	-3.0	55.1	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	29.3
10	17476442.58	4753918.62	13.50	0	D	1000	86.0	0.0	0.0	0.0	0.0	55.1	0.6	-0.9	0.0	0.0	0.0	0.0	0.0	31.2
10	17476442.58	4753918.62	13.50	0	D	2000	83.2	0.0	0.0	0.0	0.0	55.1	1.5	-0.9	0.0	0.0	0.0	0.0	0.0	27.5
10	17476442.58	4753918.62	13.50	0	D	4000	78.0	0.0	0.0	0.0	0.0	55.1	5.3	-0.9	0.0	0.0	0.0	0.0	0.0	18.6
10	17476442.58	4753918.62	13.50	0	D	8000	71.9	0.0	0.0	0.0	0.0	55.1	18.7	-0.9	0.0	0.0	0.0	0.0	0.0	-1.0

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
16	17476437.68	4753917.94	13.50	0	D	63	66.8	0.0	0.0	0.0	0.0	55.3	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	14.4
16	17476437.68	4753917.94	13.50	0	D	125	82.9	0.0	0.0	0.0	0.0	55.3	0.1	-0.9	0.0	0.0	0.0	0.0	0.0	28.4
16	17476437.68	4753917.94	13.50	0	D	250	83.4	0.0	0.0	0.0	0.0	55.3	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	28.8
16	17476437.68	4753917.94	13.50	0	D	500	86.8	0.0	0.0	0.0	-3.0	55.3	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	29.1
16	17476437.68	4753917.94	13.50	0	D	1000	86.0	0.0	0.0	0.0	0.0	55.3	0.6	-0.9	0.0	0.0	0.0	0.0	0.0	31.0
16	17476437.68	4753917.94	13.50	0	D	2000	83.2	0.0	0.0	0.0	0.0	55.3	1.6	-0.9	0.0	0.0	0.0	0.0	0.0	27.2
16	17476437.68	4753917.94	13.50	0	D	4000	78.0	0.0	0.0	0.0	0.0	55.3	5.4	-0.9	0.0	0.0	0.0	0.0	0.0	18.2
16	17476437.68	4753917.94	13.50	0	D	8000	71.9	0.0	0.0	0.0	0.0	55.3	19.3	-0.9	0.0	0.0	0.0	0.0	0.0	-1.8

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
21	17476419.73	4753957.95	14.00	0	D	63	66.8	0.0	0.0	0.0	0.0	55.7	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	14.1
21	17476419.73	4753957.95	14.00	0	D	125	82.9	0.0	0.0	0.0	0.0	55.7	0.1	-0.5	0.0	0.0	0.0	0.0	0.0	27.6
21	17476419.73	4753957.95	14.00	0	D	250	83.4	0.0	0.0	0.0	0.0	55.7	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	28.0
21	17476419.73	4753957.95	14.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	55.7	0.3	-0.5	0.0	0.0	0.0	0.0	0.0	28.3
21	17476419.73	4753957.95	14.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	55.7	0.6	-0.5	0.0	0.0	0.0	0.0	0.0	30.2

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
21	17476419.73	4753957.95	14.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	55.7	1.7	-0.5	0.0	0.0	0.0	0.0	0.0	26.3
21	17476419.73	4753957.95	14.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	55.7	5.6	-0.5	0.0	0.0	0.0	0.0	0.0	17.2
21	17476419.73	4753957.95	14.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	55.7	20.0	-0.5	0.0	0.0	0.0	0.0	0.0	-3.4

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
24	17476447.04	4753956.22	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	54.2	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	13.5
24	17476447.04	4753956.22	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	54.2	0.1	-0.7	0.0	0.0	0.0	0.0	0.0	27.3
24	17476447.04	4753956.22	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	54.2	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	27.7
24	17476447.04	4753956.22	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	54.2	0.3	-0.7	0.0	0.0	0.0	0.0	0.0	28.0
24	17476447.04	4753956.22	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	54.2	0.5	-0.7	0.0	0.0	0.0	0.0	0.0	29.9
24	17476447.04	4753956.22	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	54.2	1.4	-0.7	0.0	0.0	0.0	0.0	0.0	26.3
24	17476447.04	4753956.22	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	54.2	4.8	-0.7	0.0	0.0	0.0	0.0	0.0	17.7
24	17476447.04	4753956.22	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	54.2	17.0	-0.7	0.0	0.0	0.0	0.0	0.0	-0.6

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
28	17476446.52	4753920.57	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	54.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	12.9
28	17476446.52	4753920.57	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	54.9	0.1	-0.9	0.0	0.0	0.0	0.0	0.0	26.9
28	17476446.52	4753920.57	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	54.9	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	27.3
28	17476446.52	4753920.57	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	54.9	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	27.6
28	17476446.52	4753920.57	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	54.9	0.6	-0.9	0.0	0.0	0.0	0.0	0.0	29.5
28	17476446.52	4753920.57	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	54.9	1.5	-0.9	0.0	0.0	0.0	0.0	0.0	25.8
28	17476446.52	4753920.57	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	54.9	5.1	-0.9	0.0	0.0	0.0	0.0	0.0	17.0
28	17476446.52	4753920.57	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	54.9	18.2	-0.9	0.0	0.0	0.0	0.0	0.0	-2.2

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
34	17476787.61	4753973.27	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	57.1	0.0	-3.0	0.0	0.0	3.6	0.0	0.0	9.1
34	17476787.61	4753973.27	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	57.1	0.1	-0.6	0.0	0.0	5.0	0.0	0.0	21.2
34	17476787.61	4753973.27	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	57.1	0.2	-0.9	0.0	0.0	7.3	0.0	0.0	19.7
34	17476787.61	4753973.27	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	57.1	0.4	-0.9	0.0	0.0	10.0	0.0	0.0	17.2
34	17476787.61	4753973.27	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	57.1	0.7	-0.9	0.0	0.0	12.8	0.0	0.0	16.2
34	17476787.61	4753973.27	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	57.1	2.0	-0.9	0.0	0.0	15.7	0.0	0.0	9.3
34	17476787.61	4753973.27	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	57.1	6.6	-0.9	0.0	0.0	18.6	0.0	0.0	-3.5
34	17476787.61	4753973.27	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	57.1	23.7	-0.9	0.0	0.0	20.7	0.0	0.0	-28.7

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
37	17476796.53	4753934.12	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	57.7	0.0	-3.0	0.0	0.0	2.9	0.0	0.0	9.1
37	17476796.53	4753934.12	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	57.7	0.1	-0.6	0.0	0.0	3.8	0.0	0.0	21.9
37	17476796.53	4753934.12	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	57.7	0.2	-0.9	0.0	0.0	5.2	0.0	0.0	21.2
37	17476796.53	4753934.12	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	57.7	0.4	-0.9	0.0	0.0	7.0	0.0	0.0	19.6
37	17476796.53	4753934.12	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	57.7	0.8	-0.9	0.0	0.0	9.3	0.0	0.0	19.1
37	17476796.53	4753934.12	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	57.7	2.1	-0.9	0.0	0.0	12.0	0.0	0.0	12.3
37	17476796.53	4753934.12	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	57.7	7.1	-0.9	0.0	0.0	14.9	0.0	0.0	-0.8
37	17476796.53	4753934.12	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	57.7	25.3	-0.9	0.0	0.0	18.2	0.0	0.0	-28.4

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
40	17476804.19	4753969.37	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	57.8	0.0	-3.0	0.0	0.0	3.5	0.0	0.0	8.5
40	17476804.19	4753969.37	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	57.8	0.1	-0.8	0.0	0.0	4.8	0.0	0.0	20.9
40	17476804.19	4753969.37	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	57.8	0.2	-1.0	0.0	0.0	7.0	0.0	0.0	19.4
40	17476804.19	4753969.37	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	57.8	0.4	-1.0	0.0	0.0	9.7	0.0	0.0	16.9
40	17476804.19	4753969.37	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	57.8	0.8	-1.0	0.0	0.0	12.5	0.0	0.0	15.9
40	17476804.19	4753969.37	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	57.8	2.1	-1.0	0.0	0.0	15.4	0.0	0.0	8.9
40	17476804.19	4753969.37	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	57.8	7.2	-1.0	0.0	0.0	18.3	0.0	0.0	-4.3
40	17476804.19	4753969.37	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	57.8	25.6	-1.0	0.0	0.0	20.5	0.0	0.0	-31.0

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
43	17476417.62	4753917.09	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	56.3	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	11.5
43	17476417.62	4753917.09	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	56.3	0.1	-0.8	0.0	0.0	0.0	0.0	0.0	25.3
43	17476417.62	4753917.09	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	56.3	0.2	-0.8	0.0	0.0	0.0	0.0	0.0	25.7
43	17476417.62	4753917.09	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	56.3	0.4	-0.8	0.0	0.0	0.0	0.0	0.0	25.9
43	17476417.62	4753917.09	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	56.3	0.7	-0.8	0.0	0.0	0.0	0.0	0.0	27.8
43	17476417.62	4753917.09	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	56.3	1.8	-0.8	0.0	0.0	0.0	0.0	0.0	23.9
43	17476417.62	4753917.09	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	56.3	6.0	-0.8	0.0	0.0	0.0	0.0	0.0	14.5
43	17476417.62	4753917.09	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	56.3	21.5	-0.8	0.0	0.0	0.0	0.0	0.0	-7.1

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
46	17476827.48	4753982.17	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	58.7	0.0	-3.0	0.0	0.0	3.7	0.0	0.0	7.4
46	17476827.48	4753982.17	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	58.7	0.1	-1.0	0.0	0.0	5.3	0.0	0.0	19.9
46	17476827.48	4753982.17	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	58.7	0.3	-1.2	0.0	0.0	7.7	0.0	0.0	18.0
46	17476827.48	4753982.17	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	58.7	0.5	-1.2	0.0	0.0	10.4	0.0	0.0	15.5
46	17476827.48	4753982.17	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	58.7	0.9	-1.2	0.0	0.0	13.2	0.0	0.0	14.5
46	17476827.48	4753982.17	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	58.7	2.3	-1.2	0.0	0.0	16.0	0.0	0.0	7.4
46	17476827.48	4753982.17	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	58.7	7.9	-1.2	0.0	0.0	18.9	0.0	0.0	-6.3
46	17476827.48	4753982.17	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	58.7	28.3	-1.2	0.0	0.0	21.0	0.0	0.0	-34.8

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
50	17476806.08	4753881.83	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	58.7	0.0	-3.0	0.0	0.0	2.5	0.0	0.0	8.6
50	17476806.08	4753881.83	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	58.7	0.1	-0.9	0.0	0.0	3.1	0.0	0.0	22.0
50	17476806.08	4753881.83	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	58.7	0.3	-1.2	0.0	0.0	3.9	0.0	0.0	21.8
50	17476806.08	4753881.83	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	58.7	0.5	-1.2	0.0	0.0	5.1	0.0	0.0	20.8
50	17476806.08	4753881.83	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	58.7	0.9	-1.2	0.0	0.0	6.6	0.0	0.0	21.0
50	17476806.08	4753881.83	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	58.7	2.3	-1.2	0.0	0.0	8.6	0.0	0.0	14.8
50	17476806.08	4753881.83	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	58.7	7.9	-1.2	0.0	0.0	11.0	0.0	0.0	1.6
50	17476806.08	4753881.83	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	58.7	28.3	-1.2	0.0	0.0	13.7	0.0	0.0	-27.6

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
57	17476818.25	4753908.38	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	58.7	0.0	-3.0	0.0	0.0	2.7	0.0	0.0	8.3
57	17476818.25	4753908.38	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	58.7	0.1	-0.9	0.0	0.0	3.4	0.0	0.0	21.5
57	17476818.25	4753908.38	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	58.7	0.3	-1.2	0.0	0.0	4.6	0.0	0.0	21.0
57	17476818.25	4753908.38	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	58.7	0.5	-1.2	0.0	0.0	6.2	0.0	0.0	19.5
57	17476818.25	4753908.38	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	58.7	0.9	-1.2	0.0	0.0	8.3	0.0	0.0	19.2
57	17476818.25	4753908.38	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	58.7	2.4	-1.2	0.0	0.0	10.8	0.0	0.0	12.5
57	17476818.25	4753908.38	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	58.7	8.0	-1.2	0.0	0.0	13.6	0.0	0.0	-1.2
57	17476818.25	4753908.38	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	58.7	28.5	-1.2	0.0	0.0	16.7	0.0	0.0	-30.9

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
64	17476397.75	4753950.89	13.50	0	D	63	64.8	0.0	0.0	0.0	0.0	56.8	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	11.0
64	17476397.75	4753950.89	13.50	0	D	125	80.9	0.0	0.0	0.0	0.0	56.8	0.1	-0.4	0.0	0.0	0.0	0.0	0.0	24.5
64	17476397.75	4753950.89	13.50	0	D	250	81.4	0.0	0.0	0.0	0.0	56.8	0.2	-0.4	0.0	0.0	0.0	0.0	0.0	24.9
64	17476397.75	4753950.89	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	56.8	0.4	-0.4	0.0	0.0	0.0	0.0	0.0	25.1
64	17476397.75	4753950.89	13.50	0	D	1000	84.0	0.0	0.0	0.0	0.0	56.8	0.7	-0.4	0.0	0.0	0.0	0.0	0.0	27.0
64	17476397.75	4753950.89	13.50	0	D	2000	81.2	0.0	0.0	0.0	0.0	56.8	1.9	-0.4	0.0	0.0	0.0	0.0	0.0	23.0
64	17476397.75	4753950.89	13.50	0	D	4000	76.0	0.0	0.0	0.0	0.0	56.8	6.4	-0.4	0.0	0.0	0.0	0.0	0.0	13.3
64	17476397.75	4753950.89	13.50	0	D	8000	69.9	0.0	0.0	0.0	0.0	56.8	22.7	-0.4	0.0	0.0	0.0	0.0	0.0	-9.1

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
67	17476832.83	4753957.31	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	58.9	0.0	-3.0	0.0	0.0	3.3	0.0	0.0	7.6
67	17476832.83	4753957.31	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	58.9	0.1	-1.0	0.0	0.0	4.4	0.0	0.0	20.5
67	17476832.83	4753957.31	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	58.9	0.3	-1.3	0.0	0.0	6.3	0.0	0.0	19.2
67	17476832.83	4753957.31	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	58.9	0.5	-1.3	0.0	0.0	9.0	0.0	0.0	16.7

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
67	17476832.83	4753957.31	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	58.9	0.9	-1.3	0.0	0.0	11.9	0.0	0.0	15.6
67	17476832.83	4753957.31	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	58.9	2.4	-1.3	0.0	0.0	14.8	0.0	0.0	8.4
67	17476832.83	4753957.31	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	58.9	8.1	-1.3	0.0	0.0	17.7	0.0	0.0	-5.4
67	17476832.83	4753957.31	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	58.9	29.0	-1.3	0.0	0.0	20.1	0.0	0.0	-34.9

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
72	17476839.12	4753930.56	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	59.2	0.0	-3.0	0.0	0.0	2.9	0.0	0.0	7.6
72	17476839.12	4753930.56	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	59.2	0.1	-1.0	0.0	0.0	3.8	0.0	0.0	20.7
72	17476839.12	4753930.56	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	59.2	0.3	-1.3	0.0	0.0	5.2	0.0	0.0	19.9
72	17476839.12	4753930.56	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	59.2	0.5	-1.3	0.0	0.0	7.1	0.0	0.0	18.2
72	17476839.12	4753930.56	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	59.2	0.9	-1.3	0.0	0.0	9.4	0.0	0.0	17.7
72	17476839.12	4753930.56	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	59.2	2.5	-1.3	0.0	0.0	12.1	0.0	0.0	10.7
72	17476839.12	4753930.56	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	59.2	8.5	-1.3	0.0	0.0	15.0	0.0	0.0	-3.5
72	17476839.12	4753930.56	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	59.2	30.2	-1.3	0.0	0.0	18.3	0.0	0.0	-34.6

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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	17476441.32	4753960.17	13.50	0	D	63	61.8	0.0	0.0	0.0	0.0	54.5	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	10.3
76	17476441.32	4753960.17	13.50	0	D	125	77.9	0.0	0.0	0.0	0.0	54.5	0.1	-0.5	0.0	0.0	0.0	0.0	0.0	23.9
76	17476441.32	4753960.17	13.50	0	D	250	78.4	0.0	0.0	0.0	0.0	54.5	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	24.3
76	17476441.32	4753960.17	13.50	0	D	500	81.8	0.0	0.0	0.0	-3.0	54.5	0.3	-0.5	0.0	0.0	0.0	0.0	0.0	24.5
76	17476441.32	4753960.17	13.50	0	D	1000	81.0	0.0	0.0	0.0	0.0	54.5	0.5	-0.5	0.0	0.0	0.0	0.0	0.0	26.5
76	17476441.32	4753960.17	13.50	0	D	2000	78.2	0.0	0.0	0.0	0.0	54.5	1.5	-0.5	0.0	0.0	0.0	0.0	0.0	22.8
76	17476441.32	4753960.17	13.50	0	D	4000	73.0	0.0	0.0	0.0	0.0	54.5	4.9	-0.5	0.0	0.0	0.0	0.0	0.0	14.1
76	17476441.32	4753960.17	13.50	0	D	8000	66.9	0.0	0.0	0.0	0.0	54.5	17.6	-0.5	0.0	0.0	0.0	0.0	0.0	-4.6

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
80	17476828.11	4753865.78	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	59.6	0.0	-3.0	0.0	0.0	2.4	0.0	0.0	7.7
80	17476828.11	4753865.78	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	59.6	0.1	-1.1	0.0	0.0	2.9	0.0	0.0	21.4
80	17476828.11	4753865.78	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	59.6	0.3	-1.4	0.0	0.0	3.7	0.0	0.0	21.2
80	17476828.11	4753865.78	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	59.6	0.5	-1.4	0.0	0.0	4.8	0.0	0.0	20.3
80	17476828.11	4753865.78	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	59.6	1.0	-1.4	0.0	0.0	6.2	0.0	0.0	20.6
80	17476828.11	4753865.78	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	59.6	2.6	-1.4	0.0	0.0	8.1	0.0	0.0	14.3
80	17476828.11	4753865.78	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	59.6	8.8	-1.4	0.0	0.0	10.4	0.0	0.0	0.6
80	17476828.11	4753865.78	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	59.6	31.4	-1.4	0.0	0.0	13.0	0.0	0.0	-30.7

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
87	17476846.99	4753896.52	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	59.8	0.0	-3.0	0.0	0.0	2.7	0.0	0.0	7.3
87	17476846.99	4753896.52	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	59.8	0.1	-1.2	0.0	0.0	3.4	0.0	0.0	20.8
87	17476846.99	4753896.52	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	59.8	0.3	-1.4	0.0	0.0	4.5	0.0	0.0	20.3
87	17476846.99	4753896.52	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	59.8	0.5	-1.4	0.0	0.0	6.0	0.0	0.0	18.8
87	17476846.99	4753896.52	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	59.8	1.0	-1.4	0.0	0.0	8.1	0.0	0.0	18.5
87	17476846.99	4753896.52	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	59.8	2.7	-1.4	0.0	0.0	10.5	0.0	0.0	11.6
87	17476846.99	4753896.52	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	59.8	9.0	-1.4	0.0	0.0	13.3	0.0	0.0	-2.7
87	17476846.99	4753896.52	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	59.8	32.1	-1.4	0.0	0.0	16.5	0.0	0.0	-35.1

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
94	17476852.55	4753871.66	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	60.2	0.0	-3.0	0.0	0.0	2.5	0.0	0.0	7.1
94	17476852.55	4753871.66	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	60.2	0.1	-1.3	0.0	0.0	3.1	0.0	0.0	20.8
94	17476852.55	4753871.66	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	60.2	0.3	-1.5	0.0	0.0	4.0	0.0	0.0	20.4
94	17476852.55	4753871.66	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	60.2	0.6	-1.5	0.0	0.0	5.3	0.0	0.0	19.3
94	17476852.55	4753871.66	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	60.2	1.1	-1.5	0.0	0.0	7.0	0.0	0.0	19.2
94	17476852.55	4753871.66	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	60.2	2.8	-1.5	0.0	0.0	9.2	0.0	0.0	12.5
94	17476852.55	4753871.66	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	60.2	9.5	-1.5	0.0	0.0	11.8	0.0	0.0	-1.9
94	17476852.55	4753871.66	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	60.2	33.7	-1.5	0.0	0.0	14.7	0.0	0.0	-35.2

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
100	17476799.07	4754181.61	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	60.3	0.0	-3.0	0.0	0.0	9.2	0.0	0.0	0.3
100	17476799.07	4754181.61	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	60.3	0.1	0.4	0.0	0.0	12.1	0.0	0.0	9.9
100	17476799.07	4754181.61	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	60.3	0.3	0.0	0.0	0.0	16.1	0.0	0.0	6.6
100	17476799.07	4754181.61	9.00	0	D	500	86.8	0.0	0.0	0.0	0.0	60.3	0.6	0.0	0.0	0.0	19.4	0.0	0.0	6.5
100	17476799.07	4754181.61	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	60.3	1.1	0.0	0.0	0.0	22.4	0.0	0.0	2.2
100	17476799.07	4754181.61	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	60.3	2.8	0.0	0.0	0.0	25.0	0.0	0.0	-5.0
100	17476799.07	4754181.61	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	60.3	9.6	0.0	0.0	0.0	25.0	0.0	0.0	-16.9
100	17476799.07	4754181.61	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	60.3	34.2	0.0	0.0	0.0	25.0	0.0	0.0	-47.7

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
105	17476877.20	4753606.53	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	64.5	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	7.2
105	17476877.20	4753606.53	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	64.5	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	21.1
105	17476877.20	4753606.53	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	64.5	0.5	-1.2	0.0	0.0	0.0	0.0	0.0	21.6
105	17476877.20	4753606.53	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	64.5	0.9	-1.2	0.0	0.0	0.0	0.0	0.0	21.5
105	17476877.20	4753606.53	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	64.5	1.7	-1.2	0.0	0.0	0.0	0.0	0.0	22.9
105	17476877.20	4753606.53	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	64.5	4.6	-1.2	0.0	0.0	0.0	0.0	0.0	17.3
105	17476877.20	4753606.53	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	64.5	15.6	-1.2	0.0	0.0	0.0	0.0	0.0	1.1
105	17476877.20	4753606.53	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	64.5	55.5	-1.2	0.0	0.0	0.0	0.0	0.0	-44.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
111	17476793.19	4754153.93	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	59.6	0.0	-3.0	0.0	0.0	7.9	0.0	0.0	-0.7
111	17476793.19	4754153.93	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	59.6	0.1	0.4	0.0	0.0	11.0	0.0	0.0	8.7
111	17476793.19	4754153.93	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	59.6	0.3	0.0	0.0	0.0	15.2	0.0	0.0	5.3
111	17476793.19	4754153.93	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	59.6	0.5	0.0	0.0	0.0	18.5	0.0	0.0	5.1
111	17476793.19	4754153.93	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	59.6	1.0	0.0	0.0	0.0	21.7	0.0	0.0	0.7
111	17476793.19	4754153.93	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	59.6	2.6	0.0	0.0	0.0	24.2	0.0	0.0	-6.2
111	17476793.19	4754153.93	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	59.6	8.9	0.0	0.0	0.0	24.6	0.0	0.0	-18.1
111	17476793.19	4754153.93	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	59.6	31.6	0.0	0.0	0.0	24.8	0.0	0.0	-47.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
115	17476909.61	4753613.98	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	64.8	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	6.9
115	17476909.61	4753613.98	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	64.8	0.2	-1.5	0.0	0.0	0.0	0.0	0.0	21.4
115	17476909.61	4753613.98	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	64.8	0.5	-1.6	0.0	0.0	0.0	0.0	0.0	21.7
115	17476909.61	4753613.98	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	64.8	0.9	-1.6	0.0	0.0	0.0	0.0	0.0	21.7
115	17476909.61	4753613.98	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	64.8	1.8	-1.6	0.0	0.0	0.0	0.0	0.0	23.0
115	17476909.61	4753613.98	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	64.8	4.7	-1.6	0.0	0.0	0.0	0.0	0.0	17.3
115	17476909.61	4753613.98	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	64.8	16.0	-1.6	0.0	0.0	0.0	0.0	0.0	0.8
115	17476909.61	4753613.98	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	64.8	57.2	-1.6	0.0	0.0	0.0	0.0	0.0	-46.5

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
128	17476882.13	4753584.28	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	64.9	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	6.8
128	17476882.13	4753584.28	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	64.9	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	20.7
128	17476882.13	4753584.28	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	64.9	0.5	-1.2	0.0	0.0	0.0	0.0	0.0	21.2
128	17476882.13	4753584.28	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	64.9	1.0	-1.2	0.0	0.0	0.0	0.0	0.0	21.1
128	17476882.13	4753584.28	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	64.9	1.8	-1.2	0.0	0.0	0.0	0.0	0.0	22.5
128	17476882.13	4753584.28	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	64.9	4.8	-1.2	0.0	0.0	0.0	0.0	0.0	16.7
128	17476882.13	4753584.28	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	64.9	16.2	-1.2	0.0	0.0	0.0	0.0	0.0	0.1
128	17476882.13	4753584.28	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	64.9	57.9	-1.2	0.0	0.0	0.0	0.0	0.0	-47.7

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
132	17476865.95	4753702.24	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	62.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	6.8
132	17476865.95	4753702.24	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	62.9	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	20.7
132	17476865.95	4753702.24	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	62.9	0.4	-1.2	0.0	0.0	0.0	0.0	0.0	21.3
132	17476865.95	4753702.24	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	62.9	0.8	-1.2	0.0	0.0	0.0	0.0	0.0	21.3

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
132	17476865.95	4753702.24	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	62.9	1.4	-1.2	0.0	0.0	0.0	0.0	0.0	22.8
132	17476865.95	4753702.24	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	62.9	3.8	-1.2	0.0	0.0	0.0	0.0	0.0	17.7
132	17476865.95	4753702.24	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	62.9	13.0	-1.2	0.0	0.0	0.0	0.0	0.0	3.3
132	17476865.95	4753702.24	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	62.9	46.2	-1.2	0.0	0.0	0.0	0.0	0.0	-36.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
140	17476914.55	4753592.78	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	65.1	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	6.6
140	17476914.55	4753592.78	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	65.1	0.2	-1.5	0.0	0.0	0.0	0.0	0.0	21.0
140	17476914.55	4753592.78	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	65.1	0.5	-1.7	0.0	0.0	0.0	0.0	0.0	21.4
140	17476914.55	4753592.78	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	65.1	1.0	-1.7	0.0	0.0	0.0	0.0	0.0	21.3
140	17476914.55	4753592.78	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	65.1	1.9	-1.7	0.0	0.0	0.0	0.0	0.0	22.7
140	17476914.55	4753592.78	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	65.1	4.9	-1.7	0.0	0.0	0.0	0.0	0.0	16.8
140	17476914.55	4753592.78	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	65.1	16.7	-1.7	0.0	0.0	0.0	0.0	0.0	-0.1
140	17476914.55	4753592.78	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	65.1	59.5	-1.7	0.0	0.0	0.0	0.0	0.0	-49.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
157	17476887.14	4753708.11	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.2	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	6.6
157	17476887.14	4753708.11	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.2	0.2	-1.3	0.0	0.0	0.0	0.0	0.0	20.8
157	17476887.14	4753708.11	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.2	0.4	-1.5	0.0	0.0	0.0	0.0	0.0	21.3
157	17476887.14	4753708.11	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.2	0.8	-1.5	0.0	0.0	0.0	0.0	0.0	21.3
157	17476887.14	4753708.11	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.2	1.5	-1.5	0.0	0.0	0.0	0.0	0.0	22.8
157	17476887.14	4753708.11	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.2	3.9	-1.5	0.0	0.0	0.0	0.0	0.0	17.6
157	17476887.14	4753708.11	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.2	13.3	-1.5	0.0	0.0	0.0	0.0	0.0	3.0
157	17476887.14	4753708.11	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.2	47.5	-1.5	0.0	0.0	0.0	0.0	0.0	-37.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
163	17476886.43	4753565.29	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	65.2	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	6.5
163	17476886.43	4753565.29	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	65.2	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	20.4
163	17476886.43	4753565.29	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	65.2	0.5	-1.2	0.0	0.0	0.0	0.0	0.0	20.8
163	17476886.43	4753565.29	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	65.2	1.0	-1.2	0.0	0.0	0.0	0.0	0.0	20.8
163	17476886.43	4753565.29	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	65.2	1.9	-1.2	0.0	0.0	0.0	0.0	0.0	22.1
163	17476886.43	4753565.29	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	65.2	5.0	-1.2	0.0	0.0	0.0	0.0	0.0	16.2
163	17476886.43	4753565.29	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	65.2	16.8	-1.2	0.0	0.0	0.0	0.0	0.0	-0.8
163	17476886.43	4753565.29	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	65.2	60.0	-1.2	0.0	0.0	0.0	0.0	0.0	-50.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
172	17476869.99	4753684.35	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.3	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	6.5
172	17476869.99	4753684.35	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.3	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	20.4
172	17476869.99	4753684.35	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.3	0.4	-1.2	0.0	0.0	0.0	0.0	0.0	20.9
172	17476869.99	4753684.35	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.3	0.8	-1.2	0.0	0.0	0.0	0.0	0.0	20.9
172	17476869.99	4753684.35	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.3	1.5	-1.2	0.0	0.0	0.0	0.0	0.0	22.4
172	17476869.99	4753684.35	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.3	4.0	-1.2	0.0	0.0	0.0	0.0	0.0	17.2
172	17476869.99	4753684.35	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.3	13.5	-1.2	0.0	0.0	0.0	0.0	0.0	2.5
172	17476869.99	4753684.35	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.3	48.0	-1.2	0.0	0.0	0.0	0.0	0.0	-38.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
177	17476919.48	4753572.53	9.00	0	D	63	68.8	0.0	0.0	0.0	0.0	65.4	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	6.3
177	17476919.48	4753572.53	9.00	0	D	125	84.9	0.0	0.0	0.0	0.0	65.4	0.2	-1.5	0.0	0.0	0.0	0.0	0.0	20.7
177	17476919.48	4753572.53	9.00	0	D	250	85.4	0.0	0.0	0.0	0.0	65.4	0.6	-1.7	0.0	0.0	0.0	0.0	0.0	21.1
177	17476919.48	4753572.53	9.00	0	D	500	88.8	0.0	0.0	0.0	-3.0	65.4	1.0	-1.7	0.0	0.0	0.0	0.0	0.0	21.0
177	17476919.48	4753572.53	9.00	0	D	1000	88.0	0.0	0.0	0.0	0.0	65.4	1.9	-1.7	0.0	0.0	0.0	0.0	0.0	22.3
177	17476919.48	4753572.53	9.00	0	D	2000	85.2	0.0	0.0	0.0	0.0	65.4	5.1	-1.7	0.0	0.0	0.0	0.0	0.0	16.3
177	17476919.48	4753572.53	9.00	0	D	4000	80.0	0.0	0.0	0.0	0.0	65.4	17.3	-1.7	0.0	0.0	0.0	0.0	0.0	-1.1
177	17476919.48	4753572.53	9.00	0	D	8000	73.9	0.0	0.0	0.0	0.0	65.4	61.7	-1.7	0.0	0.0	0.0	0.0	0.0	-51.5

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
184	17476891.60	4753689.80	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.5	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	6.2
184	17476891.60	4753689.80	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.5	0.2	-1.3	0.0	0.0	0.0	0.0	0.0	20.5
184	17476891.60	4753689.80	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.5	0.4	-1.5	0.0	0.0	0.0	0.0	0.0	21.0
184	17476891.60	4753689.80	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.5	0.8	-1.5	0.0	0.0	0.0	0.0	0.0	21.0
184	17476891.60	4753689.80	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.5	1.5	-1.5	0.0	0.0	0.0	0.0	0.0	22.5
184	17476891.60	4753689.80	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.5	4.1	-1.5	0.0	0.0	0.0	0.0	0.0	17.1
184	17476891.60	4753689.80	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.5	13.8	-1.5	0.0	0.0	0.0	0.0	0.0	2.2
184	17476891.60	4753689.80	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.5	49.4	-1.5	0.0	0.0	0.0	0.0	0.0	-39.5

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
192	17476875.30	4753661.98	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.7	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	6.1
192	17476875.30	4753661.98	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.7	0.2	-1.0	0.0	0.0	0.0	0.0	0.0	20.0
192	17476875.30	4753661.98	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.7	0.4	-1.3	0.0	0.0	0.0	0.0	0.0	20.5
192	17476875.30	4753661.98	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.7	0.8	-1.3	0.0	0.0	0.0	0.0	0.0	20.5
192	17476875.30	4753661.98	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.7	1.6	-1.3	0.0	0.0	0.0	0.0	0.0	22.0
192	17476875.30	4753661.98	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.7	4.2	-1.3	0.0	0.0	0.0	0.0	0.0	16.6
192	17476875.30	4753661.98	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.7	14.1	-1.3	0.0	0.0	0.0	0.0	0.0	1.5
192	17476875.30	4753661.98	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.7	50.4	-1.3	0.0	0.0	0.0	0.0	0.0	-40.9

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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	17476410.96	4753916.67	13.50	0	D	500	84.8	0.0	0.0	0.0	-3.0	56.6	0.4	-0.7	0.0	0.0	0.0	0.0	0.0	25.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
202	17476896.71	4753666.74	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	63.9	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	5.8
202	17476896.71	4753666.74	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	63.9	0.2	-1.3	0.0	0.0	0.0	0.0	0.0	20.1
202	17476896.71	4753666.74	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	63.9	0.5	-1.5	0.0	0.0	0.0	0.0	0.0	20.6
202	17476896.71	4753666.74	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	63.9	0.9	-1.5	0.0	0.0	0.0	0.0	0.0	20.6
202	17476896.71	4753666.74	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	63.9	1.6	-1.5	0.0	0.0	0.0	0.0	0.0	22.0
202	17476896.71	4753666.74	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	63.9	4.3	-1.5	0.0	0.0	0.0	0.0	0.0	16.5
202	17476896.71	4753666.74	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	63.9	14.5	-1.5	0.0	0.0	0.0	0.0	0.0	1.1
202	17476896.71	4753666.74	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	63.9	51.7	-1.5	0.0	0.0	0.0	0.0	0.0	-42.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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	17476804.11	4754208.80	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	61.0	0.0	-3.0	0.0	0.0	9.0	0.0	0.0	-3.2
206	17476804.11	4754208.80	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	61.0	0.1	0.4	0.0	0.0	11.8	0.0	0.0	6.5
206	17476804.11	4754208.80	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	61.0	0.3	0.0	0.0	0.0	15.9	0.0	0.0	3.2
206	17476804.11	4754208.80	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	61.0	0.6	0.0	0.0	0.0	19.2	0.0	0.0	3.0
206	17476804.11	4754208.80	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	61.0	1.2	0.0	0.0	0.0	22.3	0.0	0.0	-1.4
206	17476804.11	4754208.80	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	61.0	3.0	0.0	0.0	0.0	25.0	0.0	0.0	-8.8
206	17476804.11	4754208.80	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	61.0	10.3	0.0	0.0	0.0	25.0	0.0	0.0	-21.3
206	17476804.11	4754208.80	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	61.0	36.9	0.0	0.0	0.0	25.0	0.0	0.0	-54.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
211	17476881.29	4753635.90	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	64.2	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	5.6
211	17476881.29	4753635.90	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	64.2	0.2	-1.1	0.0	0.0	0.0	0.0	0.0	19.6
211	17476881.29	4753635.90	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	64.2	0.5	-1.3	0.0	0.0	0.0	0.0	0.0	20.1
211	17476881.29	4753635.90	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	64.2	0.9	-1.3	0.0	0.0	0.0	0.0	0.0	20.1
211	17476881.29	4753635.90	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	64.2	1.7	-1.3	0.0	0.0	0.0	0.0	0.0	21.5
211	17476881.29	4753635.90	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	64.2	4.4	-1.3	0.0	0.0	0.0	0.0	0.0	16.0
211	17476881.29	4753635.90	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	64.2	14.9	-1.3	0.0	0.0	0.0	0.0	0.0	0.3
211	17476881.29	4753635.90	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	64.2	53.1	-1.3	0.0	0.0	0.0	0.0	0.0	-44.0

100% DUTY CYCLE

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
218	17476802.00	4754220.93	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	61.2	0.0	-3.0	0.0	0.0	9.0	0.0	0.0	-3.4
218	17476802.00	4754220.93	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	61.2	0.1	0.4	0.0	0.0	11.8	0.0	0.0	6.3
218	17476802.00	4754220.93	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	61.2	0.3	0.0	0.0	0.0	15.9	0.0	0.0	3.0
218	17476802.00	4754220.93	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	61.2	0.6	0.0	0.0	0.0	19.2	0.0	0.0	2.8
218	17476802.00	4754220.93	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	61.2	1.2	0.0	0.0	0.0	22.2	0.0	0.0	-1.6
218	17476802.00	4754220.93	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	61.2	3.1	0.0	0.0	0.0	25.0	0.0	0.0	-9.1
218	17476802.00	4754220.93	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	61.2	10.6	0.0	0.0	0.0	25.0	0.0	0.0	-21.8
218	17476802.00	4754220.93	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	61.2	37.7	0.0	0.0	0.0	25.0	0.0	0.0	-55.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
221	17476817.92	4754211.44	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	61.3	0.0	-3.0	0.0	0.0	9.0	0.0	0.0	-3.5
221	17476817.92	4754211.44	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	61.3	0.1	0.4	0.0	0.0	11.8	0.0	0.0	6.2
221	17476817.92	4754211.44	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	61.3	0.3	0.0	0.0	0.0	15.9	0.0	0.0	2.9
221	17476817.92	4754211.44	9.00	0	D	500	83.8	0.0	0.0	0.0	0.0	61.3	0.6	0.0	0.0	0.0	19.1	0.0	0.0	2.7
221	17476817.92	4754211.44	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	61.3	1.2	0.0	0.0	0.0	22.2	0.0	0.0	-1.7
221	17476817.92	4754211.44	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	61.3	3.2	0.0	0.0	0.0	25.0	0.0	0.0	-9.3
221	17476817.92	4754211.44	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	61.3	10.7	0.0	0.0	0.0	25.0	0.0	0.0	-22.0
221	17476817.92	4754211.44	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	61.3	38.2	0.0	0.0	0.0	25.0	0.0	0.0	-55.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
225	17476864.97	4753808.27	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	61.3	0.0	-3.0	0.0	0.0	2.3	0.0	0.0	3.2
225	17476864.97	4753808.27	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	61.3	0.1	-1.4	0.0	0.0	2.6	0.0	0.0	17.3
225	17476864.97	4753808.27	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	61.3	0.3	-1.6	0.0	0.0	3.1	0.0	0.0	17.2
225	17476864.97	4753808.27	9.00	0	D	500	83.8	0.0	0.0	0.0	-3.0	61.3	0.6	-1.6	0.0	0.0	3.8	0.0	0.0	16.7
225	17476864.97	4753808.27	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	61.3	1.2	-1.6	0.0	0.0	4.5	0.0	0.0	17.6
225	17476864.97	4753808.27	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	61.3	3.2	-1.6	0.0	0.0	5.4	0.0	0.0	12.0
225	17476864.97	4753808.27	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	61.3	10.8	-1.6	0.0	0.0	6.5	0.0	0.0	-2.0
225	17476864.97	4753808.27	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	61.3	38.4	-1.6	0.0	0.0	8.1	0.0	0.0	-37.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
231	17476902.38	4753640.73	9.00	0	D	63	66.8	0.0	0.0	0.0	0.0	64.3	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	5.4
231	17476902.38	4753640.73	9.00	0	D	125	82.9	0.0	0.0	0.0	0.0	64.3	0.2	-1.4	0.0	0.0	0.0	0.0	0.0	19.7
231	17476902.38	4753640.73	9.00	0	D	250	83.4	0.0	0.0	0.0	0.0	64.3	0.5	-1.5	0.0	0.0	0.0	0.0	0.0	20.1
231	17476902.38	4753640.73	9.00	0	D	500	86.8	0.0	0.0	0.0	-3.0	64.3	0.9	-1.5	0.0	0.0	0.0	0.0	0.0	20.1
231	17476902.38	4753640.73	9.00	0	D	1000	86.0	0.0	0.0	0.0	0.0	64.3	1.7	-1.5	0.0	0.0	0.0	0.0	0.0	21.5
231	17476902.38	4753640.73	9.00	0	D	2000	83.2	0.0	0.0	0.0	0.0	64.3	4.5	-1.5	0.0	0.0	0.0	0.0	0.0	15.9
231	17476902.38	4753640.73	9.00	0	D	4000	78.0	0.0	0.0	0.0	0.0	64.3	15.2	-1.5	0.0	0.0	0.0	0.0	0.0	-0.0
231	17476902.38	4753640.73	9.00	0	D	8000	71.9	0.0	0.0	0.0	0.0	64.3	54.3	-1.5	0.0	0.0	0.0	0.0	0.0	-45.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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	17476868.38	4753793.87	9.00	0	D	63	63.8	0.0	0.0	0.0	0.0	61.6	0.0	-3.0	0.0	0.0	2.2	0.0	0.0	2.9
236	17476868.38	4753793.87	9.00	0	D	125	79.9	0.0	0.0	0.0	0.0	61.6	0.1	-1.4	0.0	0.0	2.6	0.0	0.0	17.0
236	17476868.38	4753793.87	9.00	0	D	250	80.4	0.0	0.0	0.0	0.0	61.6	0.4	-1.6	0.0	0.0	3.0	0.0	0.0	17.0
236	17476868.38	4753793.87	9.00	0	D	500	83.8	0.0	0.0	0.0	-3.0	61.6	0.7	-1.6	0.0	0.0	3.6	0.0	0.0	16.5
236	17476868.38	4753793.87	9.00	0	D	1000	83.0	0.0	0.0	0.0	0.0	61.6	1.2	-1.6	0.0	0.0	4.2	0.0	0.0	17.5
236	17476868.38	4753793.87	9.00	0	D	2000	80.2	0.0	0.0	0.0	0.0	61.6	3.3	-1.6	0.0	0.0	4.8	0.0	0.0	12.1
236	17476868.38	4753793.87	9.00	0	D	4000	75.0	0.0	0.0	0.0	0.0	61.6	11.1	-1.6	0.0	0.0	5.5	0.0	0.0	-1.6
236	17476868.38	4753793.87	9.00	0	D	8000	68.9	0.0	0.0	0.0	0.0	61.6	39.6	-1.6	0.0	0.0	6.4	0.0	0.0	-37.2

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
240	17476424.17	4753915.66	13.50	0	D	500	81.8	0.0	0.0	0.0	-3.0	56.0	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	23.3

100% DUTY CYCLE

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
243	17476794.07	4754000.64	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	57.4	0.4	-0.9	0.0	0.0	11.3	0.0	0.0	13.8

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
247	17476796.39	4754000.84	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	57.5	0.4	-1.0	0.0	0.0	11.3	0.0	0.0	13.7

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
250	17476805.97	4754003.08	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	57.9	0.4	-1.1	0.0	0.0	11.3	0.0	0.0	13.4

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
253	17476811.72	4753999.05	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	58.1	0.4	-1.1	0.0	0.0	11.1	0.0	0.0	13.4

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
256	17476822.10	4754005.40	8.80	0	D	500	82.0	0.0	0.0	0.0	0.0	58.5	0.5	-1.2	0.0	0.0	11.2	0.0	0.0	13.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
261	17476801.61	4754112.48	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	59.1	0.5	0.0	0.0	0.0	18.3	0.0	0.0	4.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
265	17476815.56	4754114.90	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	59.5	0.5	0.0	0.0	0.0	18.1	0.0	0.0	3.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
268	17476823.11	4754116.73	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	59.8	0.5	0.0	0.0	0.0	18.0	0.0	0.0	3.7

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
272	17476831.04	4754117.99	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	60.0	0.5	-0.0	0.0	0.0	17.9	0.0	0.0	3.5

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
275	17476838.75	4754119.25	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	60.2	0.6	-0.0	0.0	0.0	17.8	0.0	0.0	3.4

Point Source, ISO 9613, Name: "HVAC", ID: "COMM3"																				
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)
277	17476846.88	4754120.40	4.30	0	D	500	82.0	0.0	0.0	0.0	0.0	60.4	0.6	-0.0	0.0	0.0	17.7	0.0	0.0	3.3

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
281	17476806.57	4754195.44	9.00	0	D	500	82.0	0.0	0.0	0.0	0.0	60.8	0.6	0.0	0.0	0.0	19.3	0.0	0.0	1.4

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
286	17476842.68	4753803.20	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	60.9	0.6	-1.5	0.0	0.0	3.6	0.0	0.0	15.4

DAYTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
295	17476834.52	4753786.13	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.0	0.6	-1.3	0.0	0.0	0.0	0.0	0.0	18.7

Point Source, ISO 9613, Name: "HVAC", ID: "COMM2"																				
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)
304	17476820.10	4754199.22	9.00	0	D	500	82.0	0.0	0.0	0.0	0.0	61.1	0.6	0.0	0.0	0.0	19.2	0.0	0.0	1.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
308	17476846.10	4753788.80	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.2	0.6	-1.4	0.0	0.0	3.5	0.0	0.0	15.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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	17476849.01	4753776.14	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.5	0.6	-1.3	0.0	0.0	0.0	0.0	0.0	18.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
316	17476851.34	4753766.81	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.7	0.7	-1.3	0.0	0.0	0.0	0.0	0.0	18.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
321	17476870.94	4753781.42	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.8	0.7	-1.5	0.0	0.0	3.5	0.0	0.0	14.5

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
326	17476853.17	4753756.91	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	61.9	0.7	-1.2	0.0	0.0	0.0	0.0	0.0	17.7

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
331	17476873.52	4753772.00	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.0	0.7	-1.5	0.0	0.0	3.5	0.0	0.0	14.4

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
334	17476855.60	4753748.15	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.0	0.7	-1.2	0.0	0.0	0.0	0.0	0.0	17.5

Point Source, ISO 9613, Name: "MUA - Ex Apt", ID: "APT_EX"																				
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)
337	17476598.16	4753891.53	53.50	0	D	63	51.8	0.0	0.0	0.0	0.0	50.2	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	4.6
337	17476598.16	4753891.53	53.50	0	D	125	63.9	0.0	0.0	0.0	0.0	50.2	0.0	-2.3	0.0	0.0	0.0	0.0	0.0	15.9
337	17476598.16	4753891.53	53.50	0	D	250	63.4	0.0	0.0	0.0	0.0	50.2	0.1	-2.3	0.0	0.0	0.0	0.0	0.0	15.4
337	17476598.16	4753891.53	53.50	0	D	500	63.8	0.0	0.0	0.0	0.0	50.2	0.2	-2.3	0.0	0.0	0.0	0.0	0.0	15.7
337	17476598.16	4753891.53	53.50	0	D	1000	64.0	0.0	0.0	0.0	0.0	50.2	0.3	-2.3	0.0	0.0	0.0	0.0	0.0	15.7
337	17476598.16	4753891.53	53.50	0	D	2000	55.2	0.0	0.0	0.0	0.0	50.2	0.9	-2.3	0.0	0.0	0.0	0.0	0.0	6.4
337	17476598.16	4753891.53	53.50	0	D	4000	47.0	0.0	0.0	0.0	0.0	50.2	3.0	-2.3	0.0	0.0	0.0	0.0	0.0	-3.9
337	17476598.16	4753891.53	53.50	0	D	8000	49.9	0.0	0.0	0.0	0.0	50.2	10.7	-2.3	0.0	0.0	0.0	0.0	0.0	-8.7
347	17476598.16	4753891.53	53.50	1	D	63	51.8	0.0	0.0	0.0	0.0	50.8	0.0	-3.0	0.0	0.0	4.8	0.0	1.0	-1.7
347	17476598.16	4753891.53	53.50	1	D	125	63.9	0.0	0.0	0.0	0.0	50.8	0.0	-2.3	0.0	0.0	4.8	0.0	1.0	9.6
347	17476598.16	4753891.53	53.50	1	D	250	63.4	0.0	0.0	0.0	0.0	50.8	0.1	-2.3	0.0	0.0	4.8	0.0	1.0	9.1
347	17476598.16	4753891.53	53.50	1	D	500	63.8	0.0	0.0	0.0	0.0	50.8	0.2	-2.3	0.0	0.0	4.8	0.0	1.0	9.4
347	17476598.16	4753891.53	53.50	1	D	1000	64.0	0.0	0.0	0.0	0.0	50.8	0.4	-2.3	0.0	0.0	4.8	0.0	1.0	9.4
347	17476598.16	4753891.53	53.50	1	D	2000	55.2	0.0	0.0	0.0	0.0	50.8	0.9	-2.3	0.0	0.0	4.8	0.0	1.0	-0.0
347	17476598.16	4753891.53	53.50	1	D	4000	47.0	0.0	0.0	0.0	0.0	50.8	3.2	-2.3	0.0	0.0	4.8	0.0	1.0	-10.5
347	17476598.16	4753891.53	53.50	1	D	8000	49.9	0.0	0.0	0.0	0.0	50.8	11.4	-2.3	0.0	0.0	4.9	0.0	1.0	-15.8

100% DUTY CYCLE

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
349	17476875.96	4753762.12	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.2	0.7	-1.5	0.0	0.0	0.0	0.0	0.0	17.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
354	17476858.46	4753735.22	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.3	0.7	-1.3	0.0	0.0	0.0	0.0	0.0	17.2

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
360	17476877.81	4753753.40	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.4	0.7	-1.5	0.0	0.0	0.0	0.0	0.0	17.4

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
363	17476861.71	4753721.41	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.6	0.7	-1.2	0.0	0.0	0.0	0.0	0.0	16.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
368	17476880.98	4753740.05	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.6	0.7	-1.5	0.0	0.0	0.0	0.0	0.0	17.1

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
373	17476883.89	4753726.70	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	62.9	0.8	-1.5	0.0	0.0	0.0	0.0	0.0	16.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
379	17476868.49	4753565.82	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	65.0	1.0	-0.9	0.0	0.0	0.0	0.0	0.0	13.9

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
383	17476903.11	4753552.18	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	65.5	1.0	-1.4	0.0	0.0	0.0	0.0	0.0	13.8

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
388	17476925.88	4753557.22	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	65.7	1.0	-1.7	0.0	0.0	0.0	0.0	0.0	14.0

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
393	17476905.52	4753541.58	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	65.7	1.0	-1.4	0.0	0.0	0.0	0.0	0.0	13.6

Point Source, ISO 9613, Name: "HVAC", ID: "COMM1"																				
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)
396	17476928.50	4753546.41	9.00	0	D	500	82.0	0.0	0.0	0.0	-3.0	65.9	1.1	-1.8	0.0	0.0	0.0	0.0	0.0	13.8

CADNAA OUTPUT – OFF-SITE MECHANICAL SOURCES (NIGHTTIME)

NIGHTTIME - OFF-SITE MECHANICAL SOURCES

Receiver
Name: R1 - Top
ID: R1_TOP
X: 17476607.36 m
Y: 4753985.17 m
Z: 40.00 m

Point Source, ISO 9613, Name: "Cooling Tower - Ex Apt", ID: "CT_EX"																				
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)
35	17476616.40	4753887.48	53.30	0	N	125	82.5	0.0	0.0	0.0	0.0	50.9	0.0	-2.0	0.0	0.0	4.8	0.0	0.0	28.8
35	17476616.40	4753887.48	53.30	0	N	250	90.0	0.0	0.0	0.0	0.0	50.9	0.1	-2.0	0.0	0.0	4.8	0.0	0.0	36.2
35	17476616.40	4753887.48	53.30	0	N	500	86.4	0.0	0.0	0.0	0.0	50.9	0.2	-2.0	0.0	0.0	4.9	0.0	0.0	32.5
35	17476616.40	4753887.48	53.30	0	N	1000	85.6	0.0	0.0	0.0	0.0	50.9	0.4	-2.0	0.0	0.0	4.9	0.0	0.0	31.4
35	17476616.40	4753887.48	53.30	0	N	2000	81.8	0.0	0.0	0.0	0.0	50.9	1.0	-2.0	0.0	0.0	5.1	0.0	0.0	26.9

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
47	17476787.61	4753973.27	9.00	0	N	500	83.8	0.0	0.0	0.0	-3.0	56.3	0.4	-1.0	0.0	0.0	0.0	0.0	0.0	25.2
47	17476787.61	4753973.27	9.00	0	N	1000	83.0	0.0	0.0	0.0	0.0	56.3	0.7	-1.0	0.0	0.0	0.0	0.0	0.0	27.1

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
56	17476796.53	4753934.12	9.00	0	N	1000	83.0	0.0	0.0	0.0	0.0	56.9	0.7	-1.0	0.0	0.0	0.0	0.0	0.0	26.3

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
58	17476804.19	4753969.37	9.00	0	N	1000	83.0	0.0	0.0	0.0	0.0	57.0	0.7	-1.1	0.0	0.0	0.0	0.0	0.0	26.4

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
70	17476827.48	4753982.17	9.00	0	N	1000	83.0	0.0	0.0	0.0	0.0	57.9	0.8	-1.4	0.0	0.0	0.0	0.0	0.0	25.6

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
74	17476806.08	4753881.83	9.00	0	N	1000	83.0	0.0	0.0	0.0	0.0	58.1	0.8	-1.0	0.0	0.0	0.0	0.0	0.0	25.1

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
91	17476818.25	4753908.38	9.00	0	N	1000	83.0	0.0	0.0	0.0	0.0	58.1	0.8	-1.2	0.0	0.0	0.0	0.0	0.0	25.2

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
96	17476832.83	4753957.31	9.00	0	N	1000	83.0	0.0	0.0	0.0	0.0	58.2	0.8	-1.4	0.0	0.0	0.0	0.0	0.0	25.3

50% DUTY CYCLE

Receiver
Name: R2 (Grade)
ID: R2_GRADE
X: 17476607.26 m
Y: 4753985.16 m
Z: 5.00 m

Point Source, ISO 9613, Name: "Cooling Tower - Ex Apt", ID: "CT_EX"																				
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	17476616.40	4753887.48	53.30	0	N	250	90.0	0.0	0.0	0.0	0.0	51.8	0.1	-1.8	0.0	0.0	11.4	0.0	0.0	28.5

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
13	17476787.61	4753973.27	9.00	0	N	500	83.8	0.0	0.0	0.0	-3.0	56.1	0.3	-0.8	0.0	0.0	0.0	0.0	0.0	25.1
13	17476787.61	4753973.27	9.00	0	N	1000	83.0	0.0	0.0	0.0	0.0	56.1	0.7	-0.8	0.0	0.0	0.0	0.0	0.0	27.0

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
25	17476796.53	4753934.12	9.00	0	N	1000	83.0	0.0	0.0	0.0	0.0	56.8	0.7	-0.8	0.0	0.0	0.0	0.0	0.0	26.2

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
27	17476804.19	4753969.37	9.00	0	N	1000	83.0	0.0	0.0	0.0	0.0	56.9	0.7	-0.9	0.0	0.0	0.0	0.0	0.0	26.2

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
42	17476827.48	4753982.17	9.00	0	N	1000	83.0	0.0	0.0	0.0	0.0	57.9	0.8	-1.0	0.0	0.0	0.0	0.0	0.0	25.3

Point Source, ISO 9613, Name: "HVAC", ID: "HD"																				
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)
55	17476818.25	4753908.38	9.00	0	N	1000	83.0	0.0	0.0	0.0	0.0	58.0	0.8	-0.9	0.0	0.0	0.0	0.0	0.0	25.0

Receiver
Name: R3 (Top)
ID: R3_TOP
X: 17476556.72 m
Y: 4753978.11 m
Z: 40.00 m

Point Source, ISO 9613, Name: "Cooling Tower - Ex Apt", ID: "CT_EX"																				
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)
2	17476616.40	4753887.48	53.30	0	N	250	90.0	0.0	0.0	0.0	0.0	51.8	0.1	-2.2	0.0	0.0	15.2	0.0	0.0	25.2

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
5	17476458.73	4753965.13	14.00	0	N	125	79.9	0.0	0.0	0.0	0.0	51.2	0.0	-0.7	0.0	0.0	0.0	0.0	0.0	29.3
5	17476458.73	4753965.13	14.00	0	N	250	80.4	0.0	0.0	0.0	0.0	51.2	0.1	-0.7	0.0	0.0	0.0	0.0	0.0	29.8
5	17476458.73	4753965.13	14.00	0	N	500	83.8	0.0	0.0	0.0	-3.0	51.2	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	30.1
5	17476458.73	4753965.13	14.00	0	N	1000	83.0	0.0	0.0	0.0	0.0	51.2	0.4	-0.7	0.0	0.0	0.0	0.0	0.0	32.1
5	17476458.73	4753965.13	14.00	0	N	2000	80.2	0.0	0.0	0.0	0.0	51.2	1.0	-0.7	0.0	0.0	0.0	0.0	0.0	28.7

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
8	17476442.58	4753918.62	13.50	0	N	125	79.9	0.0	0.0	0.0	0.0	53.4	0.1	-1.0	0.0	0.0	0.0	0.0	0.0	27.5
8	17476442.58	4753918.62	13.50	0	N	250	80.4	0.0	0.0	0.0	0.0	53.4	0.1	-1.0	0.0	0.0	0.0	0.0	0.0	27.9
8	17476442.58	4753918.62	13.50	0	N	500	83.8	0.0	0.0	0.0	-3.0	53.4	0.3	-1.0	0.0	0.0	0.0	0.0	0.0	28.2
8	17476442.58	4753918.62	13.50	0	N	1000	83.0	0.0	0.0	0.0	0.0	53.4	0.5	-1.0	0.0	0.0	0.0	0.0	0.0	30.1
8	17476442.58	4753918.62	13.50	0	N	2000	80.2	0.0	0.0	0.0	0.0	53.4	1.3	-1.0	0.0	0.0	0.0	0.0	0.0	26.6

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
12	17476437.68	4753917.94	13.50	0	N	125	79.9	0.0	0.0	0.0	0.0	53.7	0.1	-1.0	0.0	0.0	0.0	0.0	0.0	27.1
12	17476437.68	4753917.94	13.50	0	N	250	80.4	0.0	0.0	0.0	0.0	53.7	0.1	-1.0	0.0	0.0	0.0	0.0	0.0	27.6
12	17476437.68	4753917.94	13.50	0	N	500	83.8	0.0	0.0	0.0	-3.0	53.7	0.3	-1.0	0.0	0.0	0.0	0.0	0.0	27.8
12	17476437.68	4753917.94	13.50	0	N	1000	83.0	0.0	0.0	0.0	0.0	53.7	0.5	-1.0	0.0	0.0	0.0	0.0	0.0	29.8
12	17476437.68	4753917.94	13.50	0	N	2000	80.2	0.0	0.0	0.0	0.0	53.7	1.3	-1.0	0.0	0.0	0.0	0.0	0.0	26.2

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
15	17476419.73	4753957.95	14.00	0	N	125	79.9	0.0	0.0	0.0	0.0	54.0	0.1	-0.5	0.0	0.0	0.0	0.0	0.0	26.4
15	17476419.73	4753957.95	14.00	0	N	250	80.4	0.0	0.0	0.0	0.0	54.0	0.1	-0.5	0.0	0.0	0.0	0.0	0.0	26.8
15	17476419.73	4753957.95	14.00	0	N	500	83.8	0.0	0.0	0.0	-3.0	54.0	0.3	-0.5	0.0	0.0	0.0	0.0	0.0	27.1
15	17476419.73	4753957.95	14.00	0	N	1000	83.0	0.0	0.0	0.0	0.0	54.0	0.5	-0.5	0.0	0.0	0.0	0.0	0.0	29.0
15	17476419.73	4753957.95	14.00	0	N	2000	80.2	0.0	0.0	0.0	0.0	54.0	1.4	-0.5	0.0	0.0	0.0	0.0	0.0	25.4

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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	17476447.04	4753956.22	13.50	0	N	125	77.9	0.0	0.0	0.0	0.0	52.2	0.0	-0.8	0.0	0.0	0.0	0.0	0.0	26.4
19	17476447.04	4753956.22	13.50	0	N	250	78.4	0.0	0.0	0.0	0.0	52.2	0.1	-0.8	0.0	0.0	0.0	0.0	0.0	26.8
19	17476447.04	4753956.22	13.50	0	N	500	81.8	0.0	0.0	0.0	-3.0	52.2	0.2	-0.8	0.0	0.0	0.0	0.0	0.0	27.1
19	17476447.04	4753956.22	13.50	0	N	1000	81.0	0.0	0.0	0.0	0.0	52.2	0.4	-0.8	0.0	0.0	0.0	0.0	0.0	29.1
19	17476447.04	4753956.22	13.50	0	N	2000	78.2	0.0	0.0	0.0	0.0	52.2	1.1	-0.8	0.0	0.0	0.0	0.0	0.0	25.6

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
23	17476446.52	4753920.57	13.50	0	N	125	77.9	0.0	0.0	0.0	0.0	53.1	0.1	-1.0	0.0	0.0	0.0	0.0	0.0	25.8
23	17476446.52	4753920.57	13.50	0	N	250	78.4	0.0	0.0	0.0	0.0	53.1	0.1	-1.0	0.0	0.0	0.0	0.0	0.0	26.2
23	17476446.52	4753920.57	13.50	0	N	500	81.8	0.0	0.0	0.0	-3.0	53.1	0.2	-1.0	0.0	0.0	0.0	0.0	0.0	26.5
23	17476446.52	4753920.57	13.50	0	N	1000	81.0	0.0	0.0	0.0	0.0	53.1	0.5	-1.0	0.0	0.0	0.0	0.0	0.0	28.5

NIGHTTIME - OFF-SITE MECHANICAL SOURCES

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
29	17476417.62	4753917.09	13.50	0	N	1000	81.0	0.0	0.0	0.0	0.0	54.8	0.6	-0.8	0.0	0.0	0.0	0.0	0.0	26.5

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
32	17476397.75	4753950.89	13.50	0	N	1000	81.0	0.0	0.0	0.0	0.0	55.3	0.6	-0.5	0.0	0.0	0.0	0.0	0.0	25.6

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
36	17476441.32	4753960.17	13.50	0	N	1000	78.0	0.0	0.0	0.0	0.0	52.6	0.4	-0.6	0.0	0.0	0.0	0.0	0.0	25.6

Receiver
Name: R4 (Grade)
ID: R4_GRADE)
X: 17476556.72 m
Y: 4753978.14 m
Z: 5.00 m

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
11	17476458.73	4753965.13	14.00	0	N	1000	83.0	0.0	0.0	0.0	0.0	50.9	0.4	-0.6	0.0	0.0	7.0	0.0	0.0	25.3
14	17476458.73	4753965.13	14.00	1	N	1000	83.0	0.0	0.0	0.0	0.0	52.5	0.4	-0.9	0.0	0.0	4.8	0.0	0.0	26.2

Receiver
Name: R5 - Top
ID: R5_TOP
X: 17476587.60 m
Y: 4753981.39 m
Z: 40.00 m

Point Source, ISO 9613, Name: "Cooling Tower - Ex Apt", ID: "CT_EX"																				
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)
3	17476616.40	4753887.48	53.30	0	N	125	82.5	0.0	0.0	0.0	0.0	50.9	0.0	-2.3	0.0	0.0	4.8	0.0	0.0	29.1
3	17476616.40	4753887.48	53.30	0	N	250	90.0	0.0	0.0	0.0	0.0	50.9	0.1	-2.3	0.0	0.0	4.8	0.0	0.0	36.5
3	17476616.40	4753887.48	53.30	0	N	500	86.4	0.0	0.0	0.0	0.0	50.9	0.2	-2.3	0.0	0.0	4.9	0.0	0.0	32.8
3	17476616.40	4753887.48	53.30	0	N	1000	85.6	0.0	0.0	0.0	0.0	50.9	0.4	-2.3	0.0	0.0	5.0	0.0	0.0	31.7
3	17476616.40	4753887.48	53.30	0	N	2000	81.8	0.0	0.0	0.0	0.0	50.9	1.0	-2.3	0.0	0.0	5.1	0.0	0.0	27.1

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
6	17476458.73	4753965.13	14.00	0	N	125	79.9	0.0	0.0	0.0	0.0	53.4	0.1	-0.5	0.0	0.0	0.0	0.0	0.0	26.9
6	17476458.73	4753965.13	14.00	0	N	250	80.4	0.0	0.0	0.0	0.0	53.4	0.1	-0.5	0.0	0.0	0.0	0.0	0.0	27.3
6	17476458.73	4753965.13	14.00	0	N	500	83.8	0.0	0.0	0.0	-3.0	53.4	0.3	-0.5	0.0	0.0	0.0	0.0	0.0	27.6
6	17476458.73	4753965.13	14.00	0	N	1000	83.0	0.0	0.0	0.0	0.0	53.4	0.5	-0.5	0.0	0.0	0.0	0.0	0.0	29.6
6	17476458.73	4753965.13	14.00	0	N	2000	80.2	0.0	0.0	0.0	0.0	53.4	1.3	-0.5	0.0	0.0	0.0	0.0	0.0	26.0

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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	17476442.58	4753918.62	13.50	0	N	125	79.9	0.0	0.0	0.0	0.0	55.1	0.1	-0.9	0.0	0.0	0.0	0.0	0.0	25.7
10	17476442.58	4753918.62	13.50	0	N	250	80.4	0.0	0.0	0.0	0.0	55.1	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	26.1
10	17476442.58	4753918.62	13.50	0	N	500	83.8	0.0	0.0	0.0	-3.0	55.1	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	26.3
10	17476442.58	4753918.62	13.50	0	N	1000	83.0	0.0	0.0	0.0	0.0	55.1	0.6	-0.9	0.0	0.0	0.0	0.0	0.0	28.2

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
16	17476437.68	4753917.94	13.50	0	N	125	79.9	0.0	0.0	0.0	0.0	55.3	0.1	-0.9	0.0	0.0	0.0	0.0	0.0	25.4
16	17476437.68	4753917.94	13.50	0	N	250	80.4	0.0	0.0	0.0	0.0	55.3	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	25.8
16	17476437.68	4753917.94	13.50	0	N	500	83.8	0.0	0.0	0.0	-3.0	55.3	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	26.1
16	17476437.68	4753917.94	13.50	0	N	1000	83.0	0.0	0.0	0.0	0.0	55.3	0.6	-0.9	0.0	0.0	0.0	0.0	0.0	28.0

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
21	17476419.73	4753957.95	14.00	0	N	250	80.4	0.0	0.0	0.0	0.0	55.7	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	25.0
21	17476419.73	4753957.95	14.00	0	N	500	83.8	0.0	0.0	0.0	-3.0	55.7	0.3	-0.5	0.0	0.0	0.0	0.0	0.0	25.3
21	17476419.73	4753957.95	14.00	0	N	1000	83.0	0.0	0.0	0.0	0.0	55.7	0.6	-0.5	0.0	0.0	0.0	0.0	0.0	27.2

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
24	17476447.04	4753956.22	13.50	0	N	1000	81.0	0.0	0.0	0.0	0.0	54.2	0.5	-0.7	0.0	0.0	0.0	0.0	0.0	26.9

Point Source, ISO 9613, Name: "HVAC", ID: "STARTECH"																				
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)
28	17476446.52	4753920.57	13.50	0	N	1000	81.0	0.0	0.0	0.0	0.0	54.9	0.6	-0.9	0.0	0.0	0.0	0.0	0.0	26.5

CADNAA OUTPUT – OFF-SITE IMPULSE SOUND SOURCES

APPENDIX C: WARNING CLAUSES

TYPE A

"Purchasers/tenants are advised that sound levels due to increasing road traffic may occasionally interfere with some activities of the dwelling occupants as the sound levels exceed the Municipality's and the Ministry of the Environment, Conservation and Parks' noise criteria."

TYPE B

"Purchasers/tenants are advised that despite the inclusion of noise control features in the development and within the building units, sound levels due to increasing road traffic may on occasions interfere with some activities of the dwelling occupants as the sound levels exceed the Municipality's and the Ministry of the Environment, Conservation and Parks' noise criteria."

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, Conservation and Parks."

TYPE D

"This dwelling unit has been supplied with a central air conditioning system which will allow windows and exterior doors to remain closed, thereby ensuring that the indoor sound levels are within the Municipality's and the Ministry of the Environment, Conservation and Parks' noise criteria."

TYPE E: (Commerical Uses)

"Purchasers are advised that due to the proximity of the adjacent nearby commercial space (Westwood Centre), noise from the commercial uses may at times be audible."

APPENDIX D: NOISE CRITERIA

The noise study will be based on the following criteria for residential units as required by the Ministry of the Environment, Conservation and Parks:

Table C-2
Sound Level Limits – Roadways

Type of Space	Time Period	L_{eq} (dBA)
		Road
INDOOR LIMITS		
Living/dining, den areas of residences, hospitals, nursing homes, schools, daycare centres, etc.	07:00–23:00	45
Living/dining, den areas of residences, hospitals, nursing homes, etc. (except, schools or daycare centres)	23:00–07:00	45
Sleeping quarters	07:00–23:00	45
	23:00–07:00	40
OUTDOOR LIMITS		
Outdoor recreation areas	07:00–23:00	55
Outside bedroom window	23:00–07:00	50
Outside living room window	07:00–23:00	55

All calculations are based on the Site and Architectural Plans provided by Zedd Architecture, dated July 12, 2023.

L_{eq}

The L_{eq} is defined as the mean energy of the sound level averaged over the measurement period. It can be considered as the continuous steady sound level which would have the same acoustic energy as the real fluctuating noise measured over the same period of time.

APPENDIX E: REFERENCES

1. Ministry of the Environment's *STAMSON* Computer Programme (*Version 5.04*) for the IBM PC.

2. Ministry of the Environment, *ORNAMENT*, “Ontario Road Noise Analysis Method for Environment and Transportation,” November 1988.

3. Quirt, D.J., “Controlling Sound Transmission into Buildings,” National Research Council, Building Practice Note 56. BASIC computer program, Update 1.1.

4. Cadna/A Computer Aided Noise Abatement, Version 2023, MR1.