



## ENVIRONMENTAL NOISE FEASIBILITY STUDY

### **29 & 45 BIRCH STREET**

Proposed Residential Development  
Town of Collingwood





MARCH 26, 2026

**PREPARED FOR:**  
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## Version History

Version #	Date	Comments
1.0	August 22, 2025	Prepared for Submission
2.0	December 5, 2025	Updated Site Plan
3.0	March 26, 2026	Updated for Comments, Architectural Drawings and HVAC

## Authors

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# Environmental Noise Feasibility Study

## 29 & 45 Birch Street

### Proposed Residential Development

Town of Collingwood

#### **EXECUTIVE SUMMARY**

Trinity Consultants Canada Inc. – Valcoustics previously prepared an Environmental Noise Feasibility Study dated August 25, 2025, to support the Zoning By law Amendment (ZBA) / Site Plan Approval (SPA) application submission to the Town of Collingwood. A subsequent report (V2.0), dated December 5, 2025, was prepared to address revisions to the site plan. The current report has been prepared to address the peer review comments and to update the assessment based on the current architectural drawings and the proposed HVAC information.

The proposed development consists of a 3-storey affordable housing development with 30 residential units.

This report addresses the potential noise impact from the transportation sources onto the proposed building as well as the potential noise impact from the proposed development onto the existing nearby noise sensitive receptors.

The transportation noise source that could impact the site is the road traffic on First Street and Birch Street.

To meet the applicable transportation noise source guideline limits, the dwelling units on the proposed building require the provision for adding air conditioning. The applicable indoor noise guidelines at all buildings are predicted to be met without any special wall and window upgrades beyond the minimum non-acoustical requirements of the Ontario Building Code (OBC).

To meet the applicable stationary noise source guideline criteria, the maximum exterior sound emission (sound power level) for each of the internal heat pumps is 70 dBA.

#### **1.0 INTRODUCTION**

Trinity Consultants Canada Inc. – Valcoustics previously prepared an Environmental Noise Feasibility Study dated August 25, 2025, to support the ZBA/SPA application submission to the Town of Collingwood. A subsequent report (V2.0), dated December 5, 2025, was prepared to address revisions to the site plan. The current report has been prepared to address the peer

review comments and to update the assessment based on the current architectural drawings and the proposed HVAC information.

The sound levels at the proposed development due to transportation noise and sound levels at the nearby off-site noise sensitive receptors due to the noise sources within the proposed development have been assessed. These sound levels were then compared to the applicable MECP noise guideline limits to determine if any noise mitigation measures are needed for the proposed development to comply with guidelines.

## **1.1 THE SITE AND SURROUNDING AREA**

The proposed development is located on the east side of Birch Street, approximately 60 m south of First Street, in the Town of Collingwood. The site is bounded by:

- Existing residential development, with a mixed-use development and First Street beyond, to the north;
- Existing residential development, with Beech Street beyond, to the east;
- Existing residential development, with Second Street beyond, to the south; and
- Birch Street, with existing residential development beyond, to the west.

The site is currently occupied by two existing buildings which will be demolished as part of the re-development.

A Key Plan is included as Figure 1.

## **1.2 THE PROPOSED DEVELOPMENT**

The proposed development consists of a 3-storey affordable housing development with 30 residential units. Outdoor surface parking areas will be provided on the east side with some additional parking on the west side of the building. An emergency generator will be provided at the northeast corner of the subject site. There will be an outdoor amenity space near the southwest corner of the site.

The study is based on the architectural drawings prepared by McKnight Charron Architects Ltd., dated Feb. 27, 2026. Figure 2 shows the Site Plan from the drawings. The architectural drawings are included in Appendix A.

## **2.0 TRANSPORTATION NOISE IMPACT ASSESSMENT**

### **2.1 NOISE SOURCES**

The transportation noise source with potential to impact the proposed development is road traffic on First Street and Birch Street.

First Street is approximately 60 m to the north of the proposed development. The current (year 2019) Annual Average Traffic Data (AADT) for First Street in the vicinity of the site, provided by the Town of Collingwood, is 25 996 vehicles per day. Future (year 2036) traffic volumes were

obtained by escalating the current volumes at a growth rate of 2%, compounded annually. Truck percentages (Heavy 3%, Medium 2%) and day/night split (90%/10%) were assumed. The posted speed limit of 50 km/hr for First Street in the vicinity of the site was used in the assessment.

Year 2025 road traffic data for Birch Street was provided by the JD Engineering in the form of a Turning movement count (TMC) for the intersection of Birch Street at driveway for the subject site 29 & 45 Birch Street. The Daily (24-hour) volumes for the year 2030 was provided by JE Engineering. A growth rate of 2%, compounded annually, was applied to obtain the future (year 2036) traffic volumes. The total truck percentage was calculated from the TMC. Day/night split (90%/10%) was assumed. The posted speed limit of 40 km/hr was used in the assessment.

The traffic data is shown in Appendix B and summarized in Table 1.

**TABLE 1: ROAD TRAFFIC DATA**

Roadway	Year	AADT <sup>(1)</sup>	% Trucks		Day/Night Split (%)	Speed Limit (kph)
			Medium	Heavy		
First Street <sup>(2)</sup>	2019 (2036)	25 996 (36 401)	2	3	90/10	50
Birch Street <sup>(3)</sup>	2030 (2036)	730 (882)	1.5	4.1	90/10	40

**Notes:**

- (1) Annual Average Daily Traffic.
- (2) Year 2019 AADT was obtained from the Town of Collingwood. Future (year 2036) volumes were obtained by escalating the current volumes at a growth rate of 2%, compounded annually. The day/night split and truck percentages were assumed.
- (3) Year 2030 road traffic data was provided by JD Engineering . Future (year 2036) volumes were obtained by escalating the current volumes at a growth rate of 2%, compounded annually. The day/night split was assumed.

## 2.2 ENVIRONMENTAL NOISE GUIDELINES

### 2.2.1 MECP Publication NPC-300

The applicable noise guidelines for new residential development are those in MECP Publication NPC-300, “Environmental Noise Guideline, Stationary and Transportation Sources - Approval and Planning”.

The environmental noise guidelines of the MECP, as provided in Publication NPC-300, are discussed briefly below and summarized in Appendix C.

#### 2.2.1.1 Architectural Elements

In the daytime, the indoor criterion for road noise is  $L_{eq Day}^{(1)}$  of 45 dBA for sensitive spaces such as living/dining rooms, dens and bedrooms. At night, the indoor criterion for road noise is  $L_{eq Night}^{(2)}$  of 45 dBA for sensitive spaces such as living/dining rooms and dens and 40 dBA for bedrooms.

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(1) 16-hour energy equivalent sound level (0700-2300 hours).  
 (2) 8-hour energy equivalent sound level (2300-0700 hours).

The architectural design of the building envelope (walls, windows, etc.) must provide adequate sound isolation to achieve these indoor sound level limits.

#### 2.2.1.2 Ventilation

In accordance with the MECP noise guideline for road traffic sources, if the daytime sound level,  $L_{eq\ Day}$ , at the exterior face of a noise sensitive window is greater than 65 dBA, means must be provided so that windows can be kept closed for noise control purposes and central air conditioning is required. For daytime sound levels between 56 dBA and 65 dBA inclusive, there need only be the provision for adding air conditioning at a later date. A warning clause advising the occupant of the potential interference with some activities is also required. At nighttime, air conditioning would be required when the sound level exceeds 60 dBA ( $L_{eq\ Night}$ ) at a noise sensitive window (provision for adding air conditioning is required when greater than 50 dBA).

#### 2.2.1.3 Outdoors

For outdoor amenity areas (“Outdoor Living Areas” - OLA’s), the guideline is 55 dBA  $L_{eq\ Day}$  (0700 to 2300 hours), with an excess not exceeding 5 dBA considered acceptable if it is technically not practicable to achieve the 55 dBA objective, providing warning clauses are registered on title.

Note that for road traffic sources, a balcony is not considered an OLA, unless it is the only OLA for the occupant and it is:

- at least 4 m in depth; and
- unenclosed.

### **2.3 NOISE IMPACT ASSESSMENT**

Using the road traffic data in Table 1, the sound levels, in terms of equivalent continuous sound pressure level over the daytime and nighttime periods ( $L_{eq\ Day}$  and  $L_{eq\ Night}$ ), were determined using STAMSON V5.04 – ORNAMENT, the computerized road traffic noise prediction model of the MECP.

The daytime and nighttime sound levels at the building facades were assessed at a height of 8 m, representing the top-storey (worst-case) bedroom windows.

The unmitigated daytime OLA sound levels at the common amenity areas at grade were calculated at a height of 1.5 m above grade, at the centre of each OLA space. OLA predictions have been done both in the outdoor amenity space as well as the outdoor seating area (slightly closer to Birch Street).

Inherent acoustical screening of the building due to its orientation to the noise source was taken into account. Screening from existing developments in the vicinity of the subject site was included in the assessment.

At the building facades, the highest unmitigated daytime/nighttime sound levels of 58 dBA/52 dBA are predicted to occur on the exterior plane of windows on the north façade of the building, the

closest to First Street. The highest OLA sound level of 54 dBA is predicted at the outdoor amenity seating area near the southwest corner of the building.

Table 2 summarizes the unmitigated daytime and nighttime sound level predictions. Sample sound level calculation details are included as Appendix D.

**TABLE 2: PREDICTED UNMITIGATED SOUND LEVELS OUTDOORS**

Location <sup>(1)</sup>	Source	Distance (m) <sup>(2)</sup>	L <sub>eq</sub> Day (dBA)	L <sub>eq</sub> Night (dBA)
North Facade	First Street	84	58	52
	Birch Street	24	48	41
	<b>TOTAL</b>	-	<b>58</b>	<b>52</b>
West Facade	First Street	84	55	48
	Birch Street	24	51	44
	<b>TOTAL</b>	-	<b>56</b>	<b>50</b>
Outdoor Amenity Open Shelter	First Street	124	45	-
	Birch Street	16	53	-
	<b>TOTAL</b>	-	<b>53</b>	-
Outdoor Amenity Seating Area	First Street	118	46	-
	Birch Street	13	53	-
	<b>TOTAL</b>	-	<b>54</b>	-

Notes:

(1) See Figure 2.

(2) Distance indicated is taken from the centreline of the roadway to the point of reception.

## 2.4 NOISE ABATEMENT REQUIREMENTS

The noise control measures can generally be classified into two categories which are interrelated, but which can be treated separately for the most part:

- a) Architectural elements to achieve acceptable indoor noise guidelines;
- b) Design features to protect the OLA's.

Noise abatement requirements are summarized in Table 3 along with the notes to Table 3.

### 2.4.1 Architectural Elements

The indoor noise guidelines can be achieved by using appropriate construction for exterior walls, windows and doors.

In determining the worst-case architectural requirements for the residential units, the percentages of the exterior wall and window areas relative to the associated floor area were based on the design details shown in the architectural floor plans and elevations. The worst-case receptor is the bedroom on the 3rd floor at the northwest corners of the building.

Based on the predicted sound levels, walls and windows meeting the minimum non-acoustical requirement of the OBC will be sufficient to achieve the indoor noise guideline criteria of the MECP.

### 2.4.2 Ventilation Requirements

Based on the daytime and nighttime sound levels, the dwelling units on the proposed building requires the provision for adding air conditioning, at a later date. This typically takes the form of a ducted, forced air heating system, suitably sized to accommodate air conditioning.

### 2.4.3 Outdoor Living Area Requirements

The highest predicted daytime outdoor sound level in the outdoor amenity area is 54 dBA, below the 55 dBA guideline limit. Thus, sound barriers are not required for transportation noise control purposes.

### 2.4.4 Warning Clauses

Warning clauses are a tool to inform prospective owners/occupants of potential annoyance due to existing noise sources. Where the guideline sound level limits are exceeded, appropriate warning clauses should be registered on title or included in the development agreement that is registered on title. The warning clauses should also be included in agreements of Offers of Purchase and Sale and lease/rental agreements to make future occupants aware of the potential noise situation. Locations requiring warning clauses and the appropriate wording are given in Table 3 and in the notes to Table 3, respectively.

**TABLE 3: NOISE ABATEMENT MEASURES**

Location	Air Conditioning <sup>(1)</sup>	Exterior Wall <sup>(2)</sup>	Exterior Window <sup>(3)</sup>	Sound Barrier	Warning Clauses <sup>(4)</sup>
All dwelling units	Provision for adding	No special acoustical requirements	No special acoustical requirements	None	A + B

Notes:

- (1) The provision for adding air conditioning typically takes the form of a forced air heating system in low rise construction.
- (2) Warning clauses to be registered on title and be included in Offers of Purchase and Sale for designated lots:
  - A. "Purchasers 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 occasionally interfere with some activities of the dwelling occupants as the sound level may exceed the noise guidelines of the Municipality and the Ministry of the Environment, Conservation and Parks."
  - B. "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 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 Environment, Conservation and Parks."
- (6) All exterior doors shall be fully weather-stripped.

## **3.0 STATIONARY NOISE IMPACT ASSESSMENT**

### **3.1 ENVIRONMENTAL NOISE GUIDELINES**

The applicable environmental noise guidelines for new residential developments are given in MECP Publication NPC-300. The requirements are discussed below and are summarized in Appendix C.

The sound level limits for stationary sources are expressed in terms of the one-hour equivalent sound level  $L_{eq, 1hr}$  (dBA). The hourly limit varies depending on the time period and the ambient noise environment of the area.

#### **3.1.1 Sound Level Criteria - Class 1 Criteria**

The site is in an urban area where man made sounds dominate the ambient sound environment 24 hours per day. This is defined as a Class 1 area by the MECP guidelines. The applicable limits for Class 1 areas are the higher of the ambient noise (primarily due to road traffic) or the exclusion limits. The exclusion limits for a Class 1 area are:

- 50 dBA during the daytime (0700 and 1900 hours) and evening (1900 and 2300 hours) at the exterior plane of window (POW) to a noise sensitive space and at an outdoor point of reception (OPOR); and
- 45 dBA during the nighttime (2300 and 0700 hours) at the exterior POW to a noise sensitive space. There are no sound level limits at an OPOR at night.

For emergency equipment, such as a generator, the sound level limits apply during routine testing but not during emergency situations. The sound level limits are 5 dB higher than those stated above. In addition, NPC-300 specifies that noise from routine testing of emergency equipment should be assessed separately from all other equipment. Since the regular testing of the emergency generator is conducted during the normal business hours, the exclusion limits for the generator noise for a Class 1 area is:

- 55 dBA during the daytime (0700 and 1900 hours) and evening (1900 and 2300 hours) at the exterior POW to a noise sensitive space and at an OPOR.

The guidelines require a predictable worst-case assessment. The predictable worst-case is when the difference between the sound level from the stationary noise source and the applicable guideline limit is greatest.

#### **3.1.2 Applicable Guideline Limits**

In this assessment, due to the setback distance and relatively low traffic volumes on the surrounding roadways, the minimum exclusion limits have been applied to all receptors.

## **3.2 STATIONARY NOISE SOURCES**

### **3.2.1 Non-Emergency Noise Sources**

The only non-emergency noise sources from the proposed development with the potential to impact the existing neighbouring receptors is the HVAC equipment, including:

- Two exterior HVAC condensing units on the northeast corner of the building (ODU-1 and ODU-2 in Figure 4), mounted at an estimated height of 7 to 10 feet above grade. Based on the provided sound data, the sound power level for each unit is 66 dBA.
- Intake (OA) and exhaust (EA) openings on the exterior walls for the internal heat pumps, with one pair of OA/EA openings located at each suite window, as well as three pairs of OA/EA openings serving the three internal heat pumps located in the mechanical/electrical rooms, one on each floor. The number of heat pumps distributed on the north, east, south, and west facades are 10, 30, 12, 34, respectively.

Note, the exterior (OA/EA) sound power levels for these heat pumps are not available. Based on designed locations and distribution of the exterior noise emission sources for these heat pumps, the same exterior sound power level for each heat pump has been assumed in the assessment to obtain the maximum emission level required to meet the applicable guideline criteria for the proposed development.

### **3.2.2 Emergency Generator**

With regard to the proposed emergency generator, a preliminary (site plan appropriate) acoustic model has been completed to verify the feasibility of the proposed generator enclosure to meet the sound level limits at the neighbouring properties. Figure 3 shows the proposed generator concept that is expected to meet the above noted sound level limits. Note that the detailed design of the generator enclosure will be completed as part of the building permit preparation.

## **3.3 STATIONARY NOISE ASSESSMENT – NON-EMERGENCY SOURCES**

### **3.3.1 Operating Scenarios**

For the HVACs noise assessment, two operating scenarios are considered:

- Daytime and Evening (0700-2300 Hours): All HVAC units on 100% of the time.
- Nighttime (2300-0700 Hours): All HVAC units on 50% of the time.

The reference source sound power data used in the assessment is included in Appendix E. The locations of the noise sources are shown in Figure 4.

### **3.3.2 Analysis Method**

To assess the stationary noise impact on the neighborhood, a 3-D acoustical model was developed using CadnaA Version 2024 MR1 environmental noise modelling software, which implements the methods of calculation described in ISO standard 9613.2 – “Acoustics-Attenuation During Propagation Outdoors”.

The sound level predictions were done using the building evaluation method in the CadnaA acoustical model. This method calculates sound levels on a grid of receptors over each facade at each storey of the building.

The following parameters were used in the model:

1. Hard ground ( $G = 0$ ) was used for the roadways and the paved areas. Soft ground ( $G = 1$ ) was used elsewhere.
2. Two orders of sound reflection were included in the assessment.

Additional calculation details and a sample calculation are included as Appendix E.

### **3.3.3 Noise Sensitive Receptors**

The noise sensitive receptors in the vicinity of the development are the existing residential dwellings surrounding the subject site.

The assessment of the POW receptors was done using the Building Evaluation feature in CadnaA, where the sound levels are calculated at several points around the entire building façade, at each storey. The assessment of the OPORs was done using the Calculation Grid feature in CadnaA, where the sound levels at a given height are calculated at multiple locations over a given area.

The receptors shown as “beach balls” on Figure 4 represent the worst-case locations of POWs and OPORs, as determined using the Building Evaluation and Grids.

POWs – representing the worst-case POW receptors at the dwellings along the facades closest and most exposed to the noise sources of HVAC units. Each POW receptor was assessed at a height of top-floor window on each dwelling building.

OPORs – representing the worst case OPOR receptors at the residential rear yards of the dwellings adjacent to the property line of each dwelling, closest to the proposed development. The receptor was assessed at a height of 1.5 m above grade.

### **3.3.4 Predicted Sound Levels – Unmitigated**

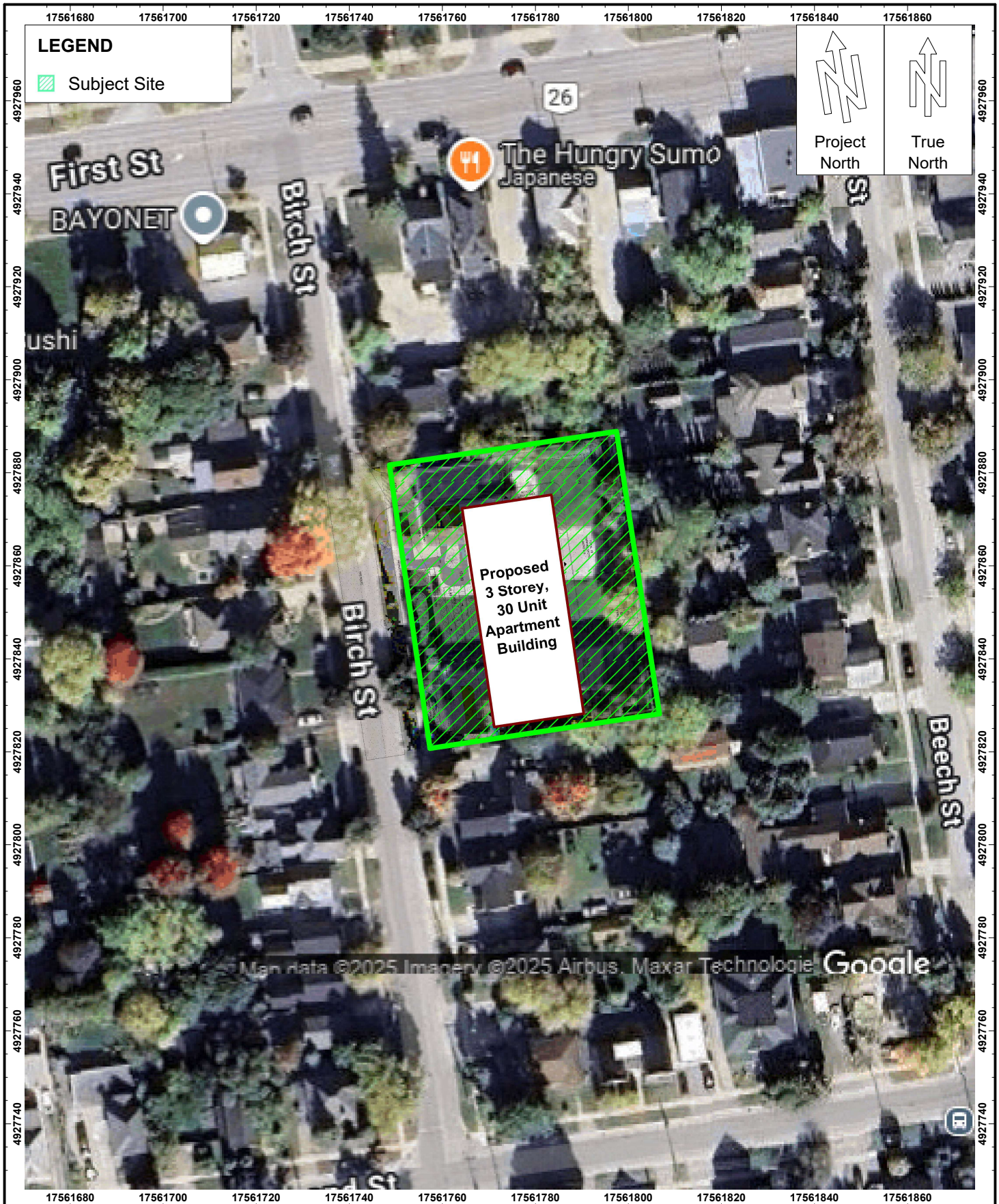
The predicted sound levels generated by the HVAC units from the proposed development are presented in Figure 4. As shown, the predicted sound levels will comply with the Class 1 noise limits at all receptors surrounding the subject site, provided that the sound emission (sound power level) of each heat pump is less than or equal to 70 dBA. Under these conditions, no additional noise mitigation measures will be required.

## **4.0 CONCLUSIONS**

With appropriate design of the residential development, a suitable acoustical environment can be provided for all occupants and the applicable MECP noise guideline requirements met.

## 5.0 REFERENCES

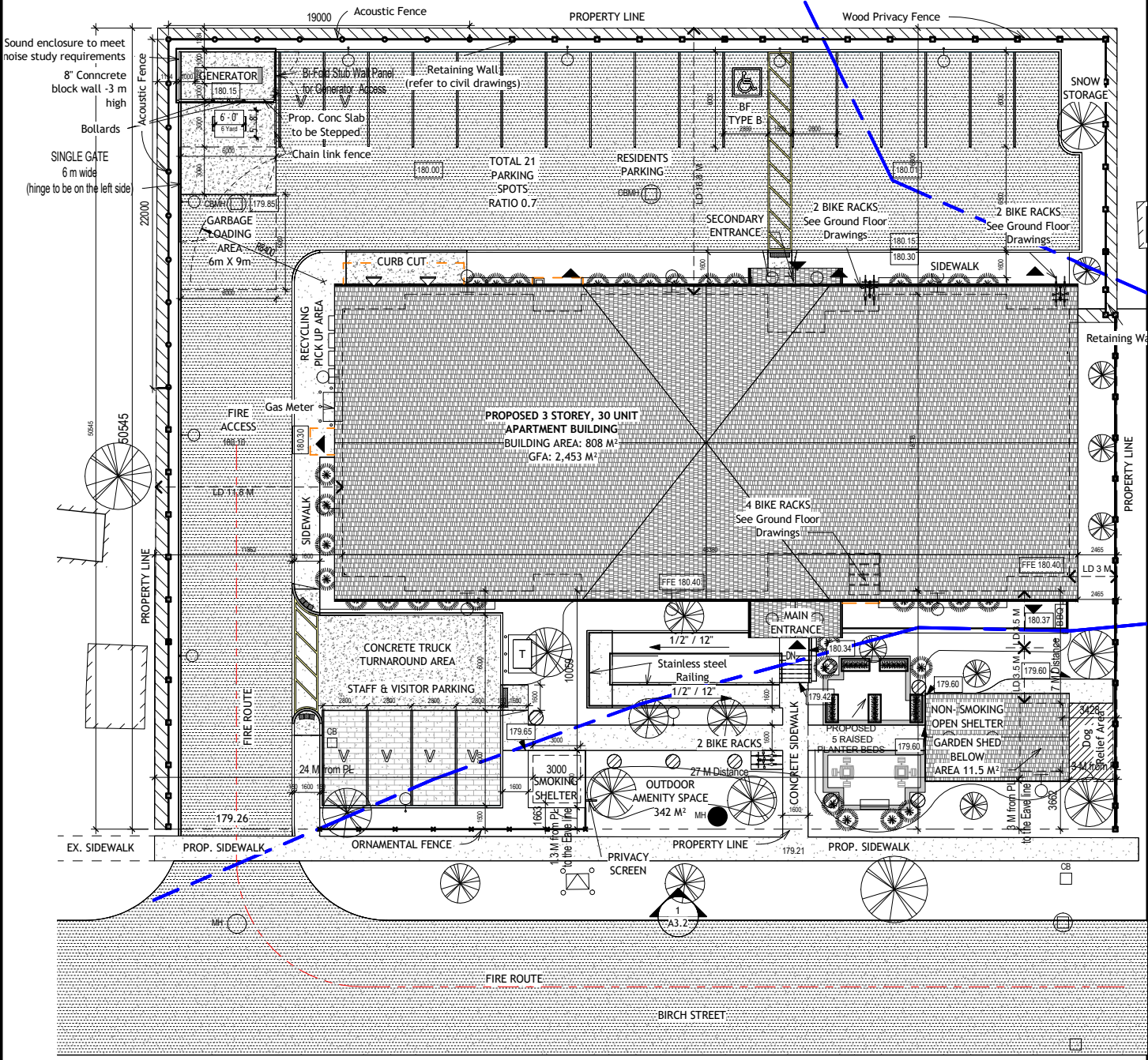
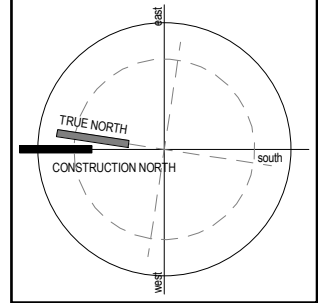
1. PC STAMSON 5.04, "Computer Program for Road Traffic Noise Assessment", Ontario Ministry of the Environment and Climate Change.
2. Building Practice Note No. 56: "Controlling Sound Transmission into Buildings", by J. D. Quirt, Division of Building Research, National Council of Canada, September 1985.
3. "Road and Rail Noise: Effects on Housing", Canada Mortgage and Housing Corporation, Publication NHA 5156, 81/10.
4. "Environmental Noise Guideline, Stationary and Transportation Sources – Approval and Planning", Ontario Ministry of the Environment, Publication NPC-300, October 2013.
5. "Public Works Department Policy Manual, Regional Road Traffic Noise Control, Niagara Region, November 9, 2006.
6. "Chapter 48 - Noise and Vibration Control", ASHRAE Handbook - HVAC Applications, 2011.
7. CadnaA, version 2024 MR1, DataKustik GmbH.
8. "Environmental Noise Feasibility Study – 29 & 45 Birch Street, Proposed Residential Development", prepared by Valcoustics Canada Ltd., August 22, 2025. Project: 1250154.000.
9. "Environmental Noise Feasibility Study – 29 & 45 Birch Street, Proposed Residential Development", prepared by Valcoustics Canada Ltd., December 5, 2025. Project: 1250154.000.



	Title	Date	Figure
	<b>Key Plan</b> Project Name <b>29 &amp; 45 Birch Street, Collingwood</b>	<b>2026-03-25</b> Project No. <b>1250154.000</b>	<b>1</b>

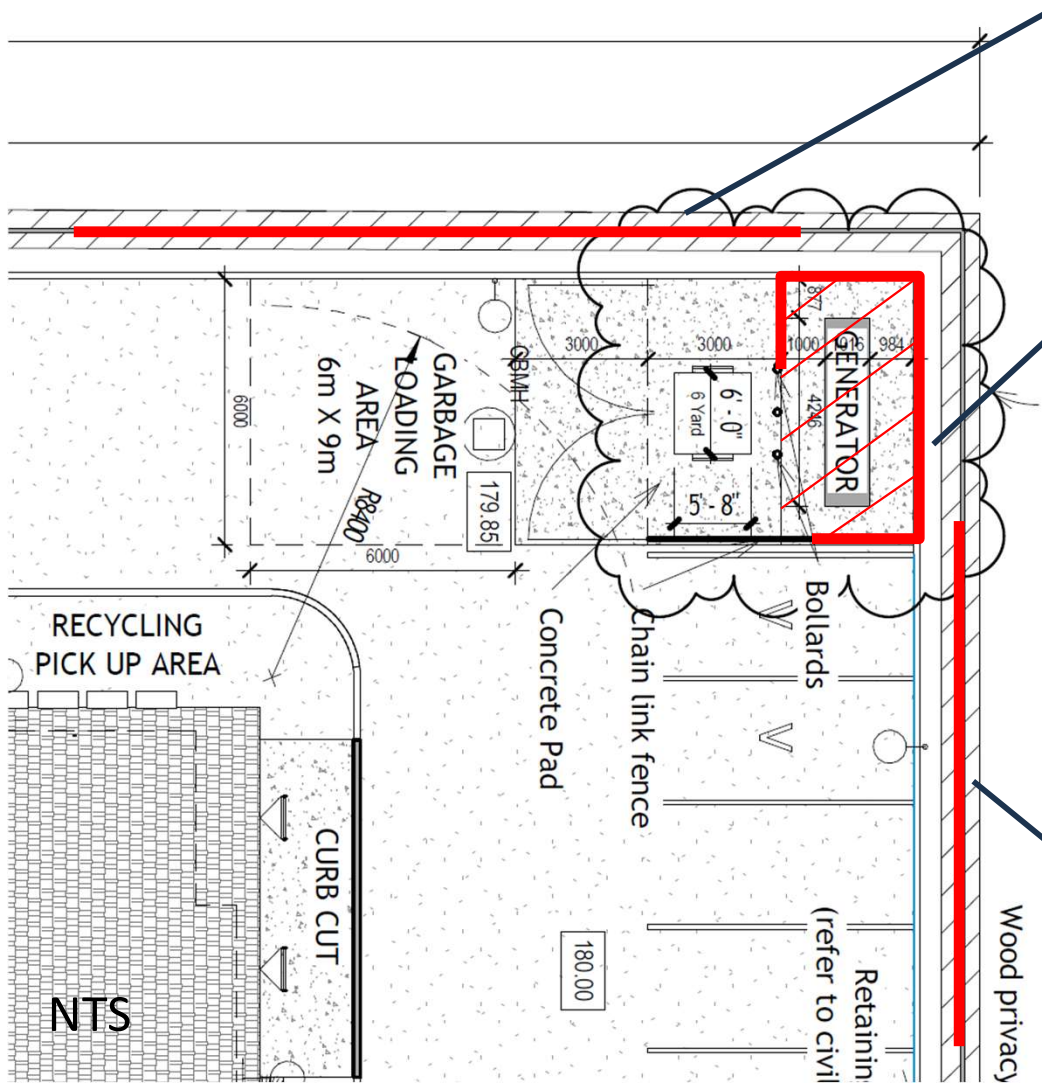
# NOISE CONTROL REQUIREMENTS

All units require provision for adding air conditioning.



Base drawing prepared by MCKNIGHT CHARRON ARCHITECTS LTD.

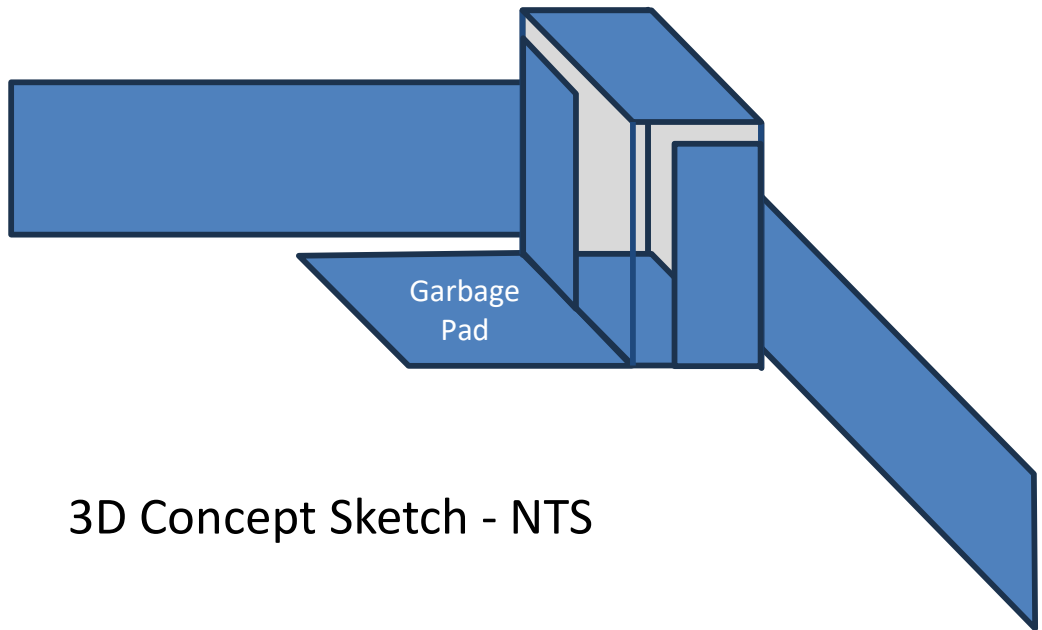
	Title	<b>SITE PLAN</b>	Date	<b>March 26 2026</b>	
	Project Name	<b>29 &amp; 45 Birch Street, Collingwood</b>	Project No.	<b>1250154.000</b>	
				Figure	<b>2</b>




Additional sound barrier, 2.4m in height (must meet 20 kg/m<sup>2</sup>). Extends 15m west from the enclosure.

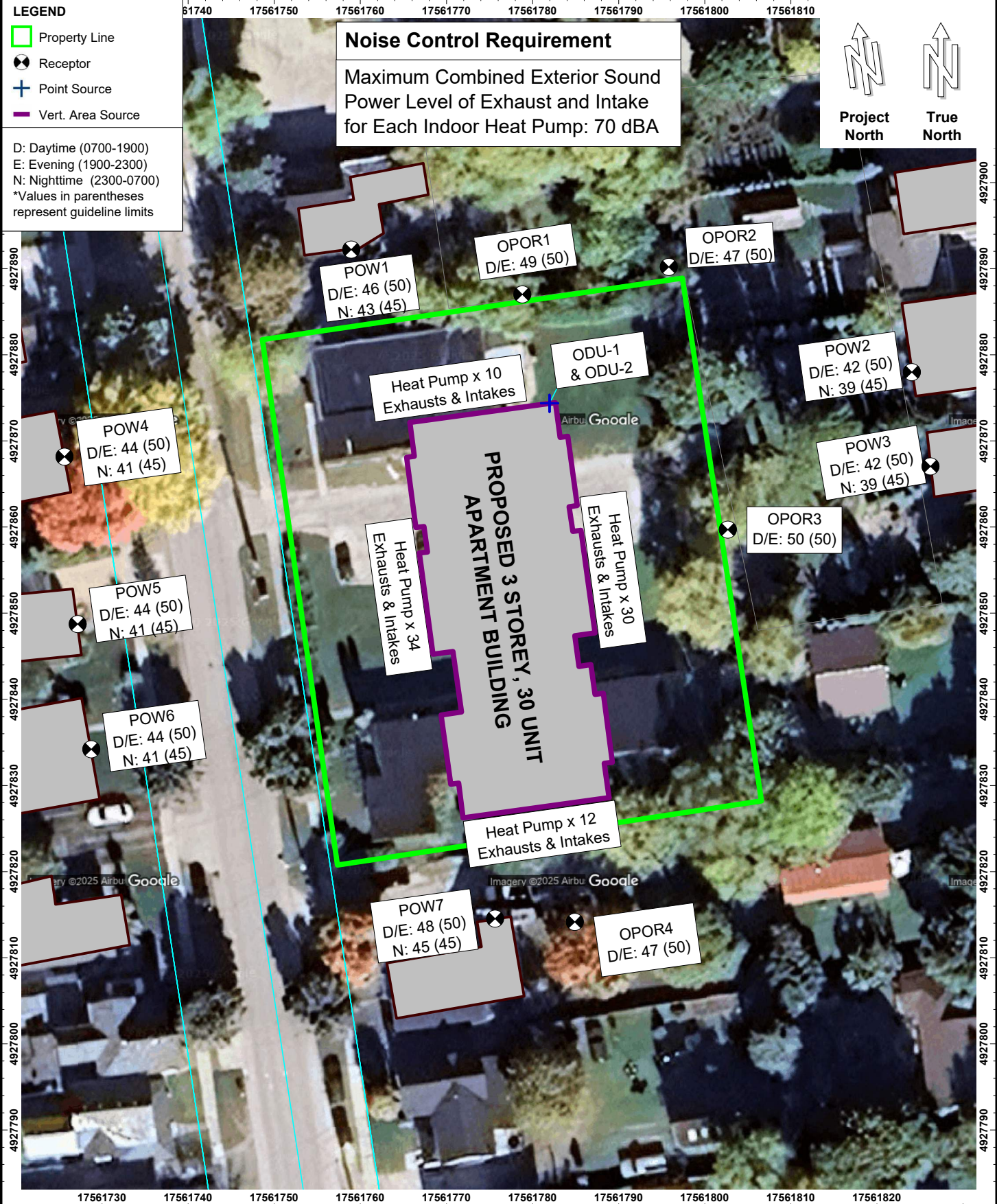
4-sided enclosure including roof with opening on the southwest corner for air flow. Walls and roof of enclosure must meet 20 kg/m<sup>2</sup>. Height approximately 3m (based on generator height and required clearance). Interior surfaces to be sound absorptive.

Additional sound barrier, 2.4m in height. (must meet 20 kg/m<sup>2</sup>). Extends 12m south from the enclosure.



3D Concept Sketch - NTS

	Title Generator Enclosure – Additional Details	Date March 25, 2026	Figure  <b>3</b>
	Project Name 29 Birch Street, Collingwood	Project No. 125-0154.000	



	Title	Date	Figure
	<b>Unmitigated Hourly Sound Level (dBA) - HVACs</b> Project Name <b>29 &amp; 45 Birch Street, Collingwood</b>	<b>2026-03-24</b> Project No. <b>1250154.000</b>	<b>4</b>

# APPENDIX A

## ARCHITECTURAL DRAWINGS

# COLLINGWOOD MODULAR AFFORDABLE HOUSING

29 BIRCH ST COLLINGWOOD ON



## ARCHITECT

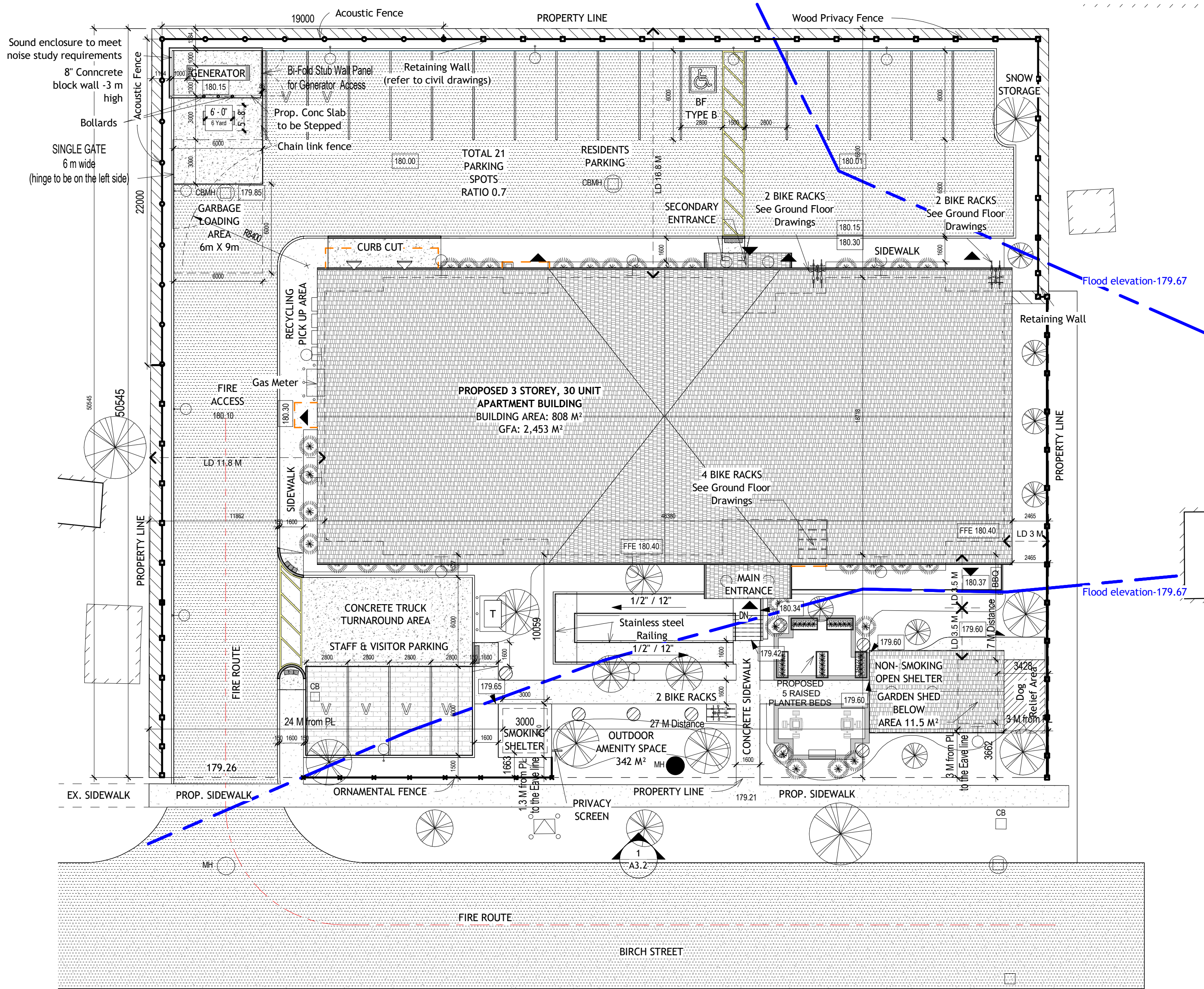
MCKNIGHT CHARRON ARCHITECTS LTD.

48 ALLIANCE BOULEVARD, UNIT 110  
BARRIE, ONTARIO. L4M 5K3

TELEPHONE: (705) 722-6739

## Sheet Index

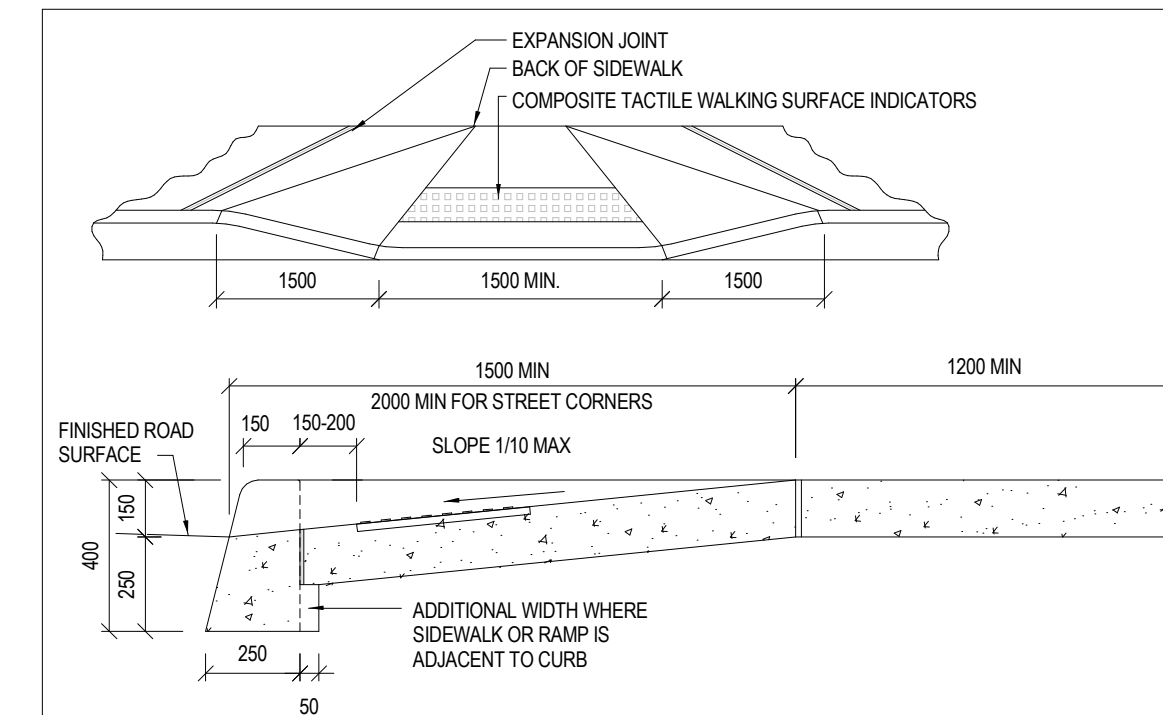
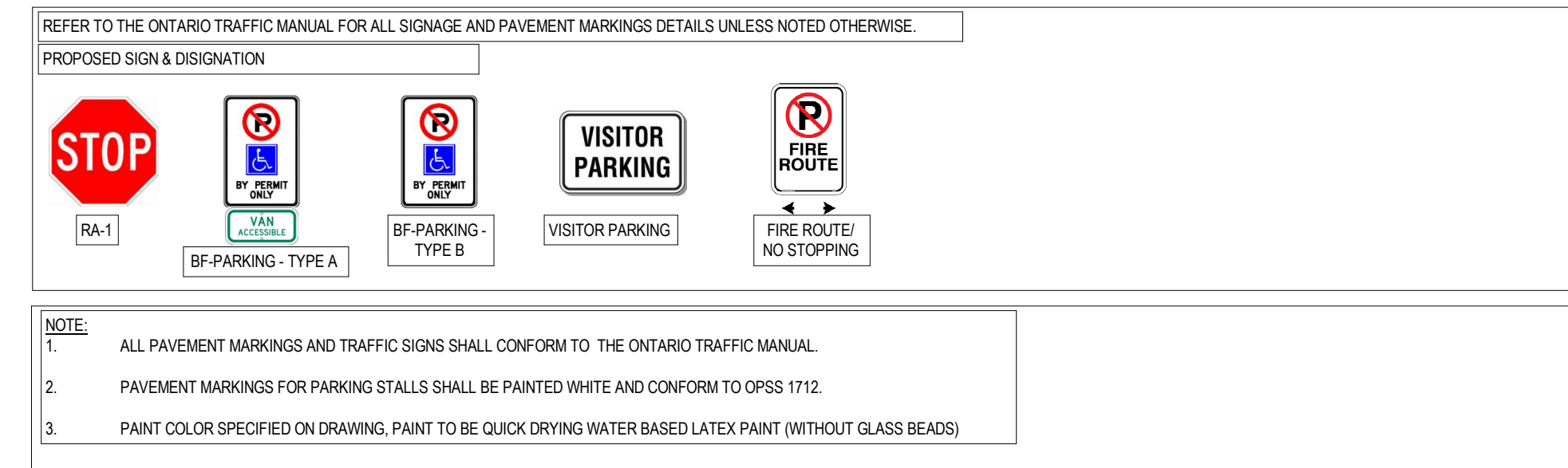
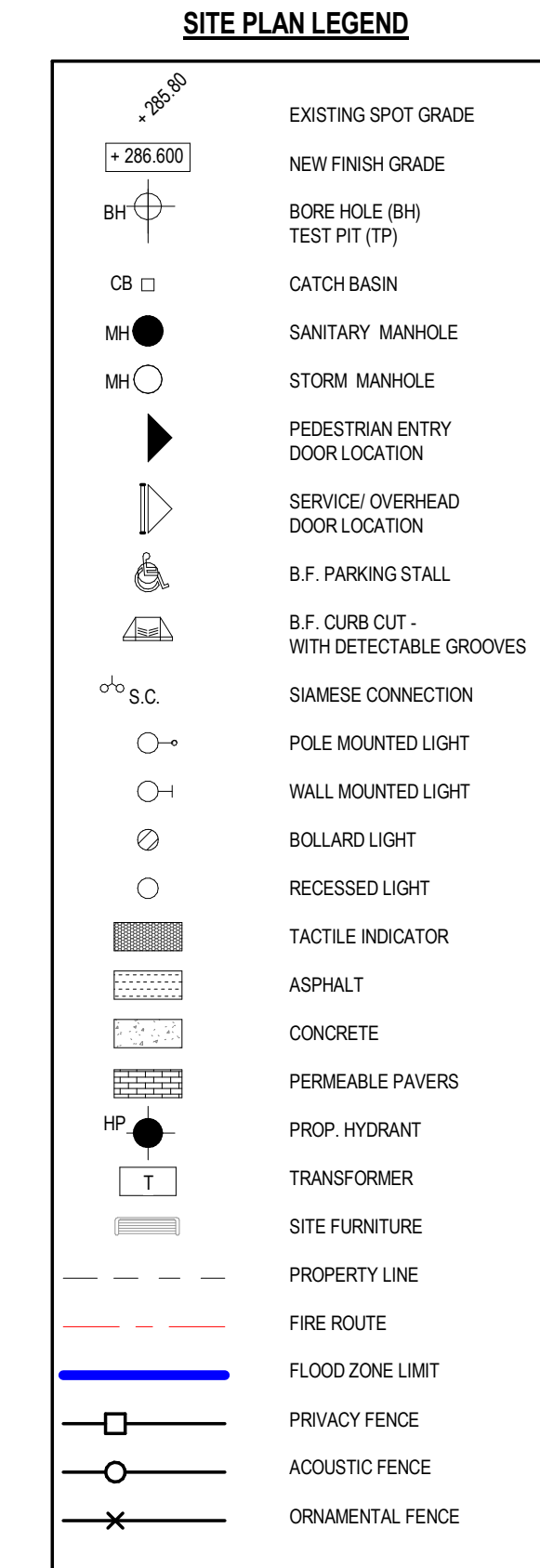
Sheet Number	Sheet Name
0000	COVER PAGE
A1.0	SITE PLAN- EXISTING BUILDING OVERLAY
A1.1	SITE PLAN
A2.00	WALL, FLOOR, ROOF TYPES
A2.2	GROUND FLOOR
A2.3	SECOND FLOOR
A2.4	THIRD FLOOR
A2.5	ROOF PLAN
A2.6	GROUND FLOOR REFLECTED CEILING PLAN
A2.7	SECOND FLOOR REFLECTED CEILING PLAN
A2.8	THIRD FLOOR REFLECTED CEILING PLAN
A2.9	UNIT LAYOUTS-1
A2.10	UNIT LAYOUTS-2
A3.1	Building Elevations
A3.2	Building Elevations
A7.1	DOOR AND WINDOW TYPES



1 Site Plan  
1 : 200

ZONING MATRIX		
ZONING PROVISIONS	REQUIRED - R3	PROPOSED
LOT AREA	-	3064 M <sup>2</sup>
MIN LOT FRONTAGE	30 M	60 M
MAX LOT COVERAGE	40 %	26%
MIN FRONT YARD	7.5 M	15 M
MIN INTERIOR SIDE YARD (NORTH)	7.5 M	11.8 M
MIN INTERIOR SIDE YARD (SOUTH)	7.5 M	3 M
MIN INTERIOR SIDE YARD - EAVE (SOUTH)	6.9 M	2.4 M
MIN REAR YARD	7.5 M	16.8 M
MAX BUILDING HEIGHT	15 M	14.6 m
MIN LANDSCAPE SPACE	40%	35%
AH PARKING	0.5 Space/Unit + 0.25 Spaces/Units for visitors=23 spaces	0.5 Space/Unit + 0.20 Spaces/Units for visitors=21 spaces (including accessible parking space)
	Min 1 accessible parking space	1
BICYCLE PARKING	0.5 Bicycle spaces per dwelling unit to a total max of 20 =15	15 (10 Outdoor - 5 Indoor)
BUILDING AREA	NA	808 M <sup>2</sup>
BUILDING TOTAL GFA	NA	2,453 M <sup>2</sup>
OUT DOOR AMENITY SPACE AREA	10 M <sup>2</sup> PER UNIT-300 M <sup>2</sup>	342 M <sup>2</sup>

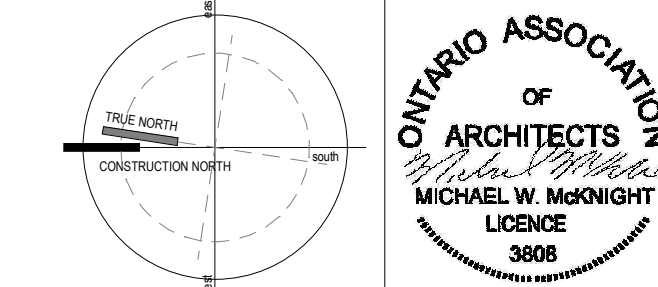
DETACHED ACCESSORY BUILDINGS	REQUIRED	PROPOSED
MIN FRONT YARD SETBACK	7.5 M	3.6 M (for 2 detached accessory buildings)
MIN FRONT YARD SETBACK	7.5 M	1.6 M (for 1 detached accessory buildings)
MIN FRONT YARD SETBACK FOR AN EAVE	6.9 M	3 M (for 1 detached accessory buildings)
MIN FRONT YARD SETBACK FOR AN EAVE	6.9 M	1.3 M (for 1 detached accessory buildings)
MAX HEIGHT	7.0 M	4.6 M
MAX LOT COVERAGE	15%	11.5 M <sup>2</sup> - 0.3%



APPROVAL

NO.	DESCRIPTION	DATE
2	SITE PLAN RESUBMISSION	Feb-27-25
1	SITE PLAN APPLICATION	Nov-21-25

REVISIONS  
ALL DIMENSIONS TO BE CHECKED AND VERIFIED ON SITE. DISCREPANCIES TO BE REPORTED TO THE ARCHITECT. LATEST APPROVED STAMPED DRAWINGS ONLY TO BE USED FOR CONSTRUCTION.



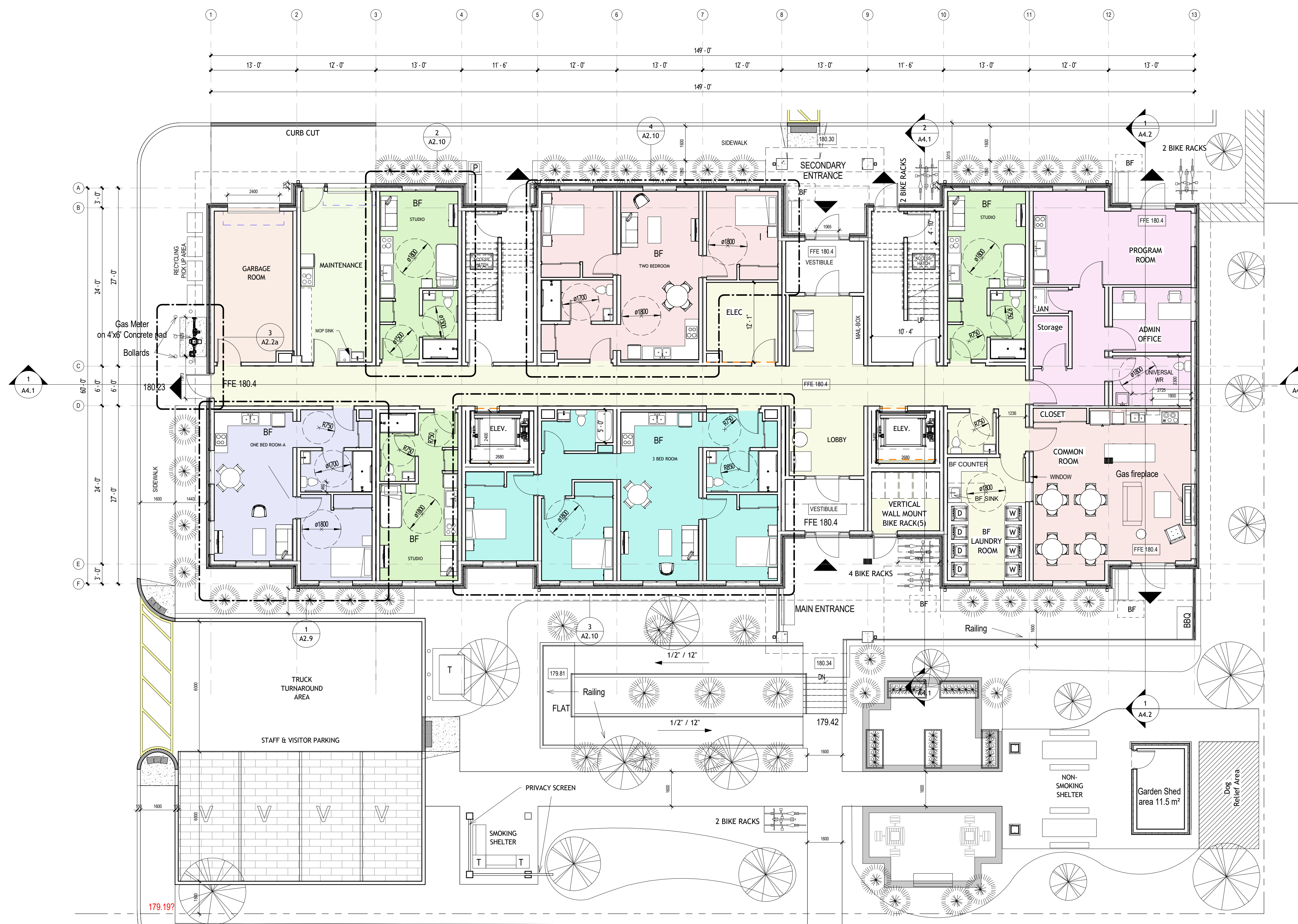
**MCLARCHITECTS**  
MCKNIGHT CHARRON LIMITED  
48 ALLIANCE BLVD., UNIT 110  
BARRIE, ONTARIO L4M 9K3  
WWW.MCLARCHITECTS.CA  
T: 705.722.8739  
F: 705.726.5418

DRAWING TITLE:  
**SITE PLAN**  
PROJECT NAME:  
**COLLINGWOOD MODULAR AFFORDABLE HOUSING**  
29 BIRCH ST COLLINGWOOD ON

COUNTY OF SIMCOE  
DATE: MAR-02-26 PROJECT # SHEET #  
DRAWN BY: SA Project Number  
SCALE: As indicated A1.1

FLUSH CURB  
1:20





UNIT TYPE	UNIT COUNT				TOTAL
	G FLOOR	2ND FLOOR	3RD FLOOR	BF %20	
STUDIO UNIT	3	5	5	3	13
ONE BED ROOM	1	5	5	2	11
TWO BED ROOM	1	1	1	1	3
THREE BED ROOM	1	1	1	1	3
TOTAL UNITS/ FLOOR	6	12	12	7	30

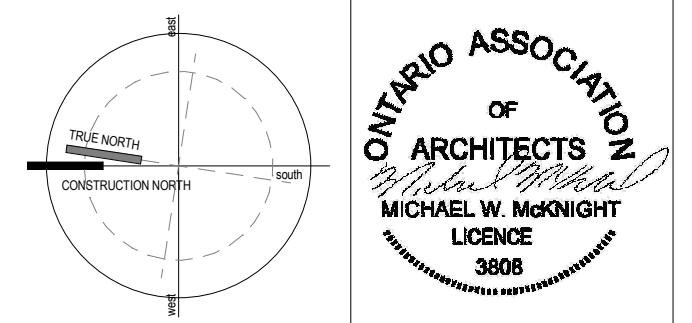
- 3 BED ROOM
- COMMON ROOM
- GARBAGE ROOM
- MAINTENANCE
- ONE BED ROOM-A
- PROGRAM ROOM
- Room Name
- STUDIO
- TWO BEDROOM

**1** GROUND FLOOR  
1 : 100

APPROVAL

NO.	REVISIONS	DATE
2	SITE PLAN RESUBMISSION	Feb-27-25
1	SITE PLAN APPLICATION	Nov-21-25

ALL DIMENSIONS TO BE CHECKED AND VERIFIED ON SITE. DISCREPANCIES TO BE REPORTED TO THE ARCHITECT. LATEST APPROVED STAMPED DRAWINGS ONLY TO BE USED FOR CONSTRUCTION.



**MCLARCHITECTS**  
MCKNIGHT CHARRON LIMITED

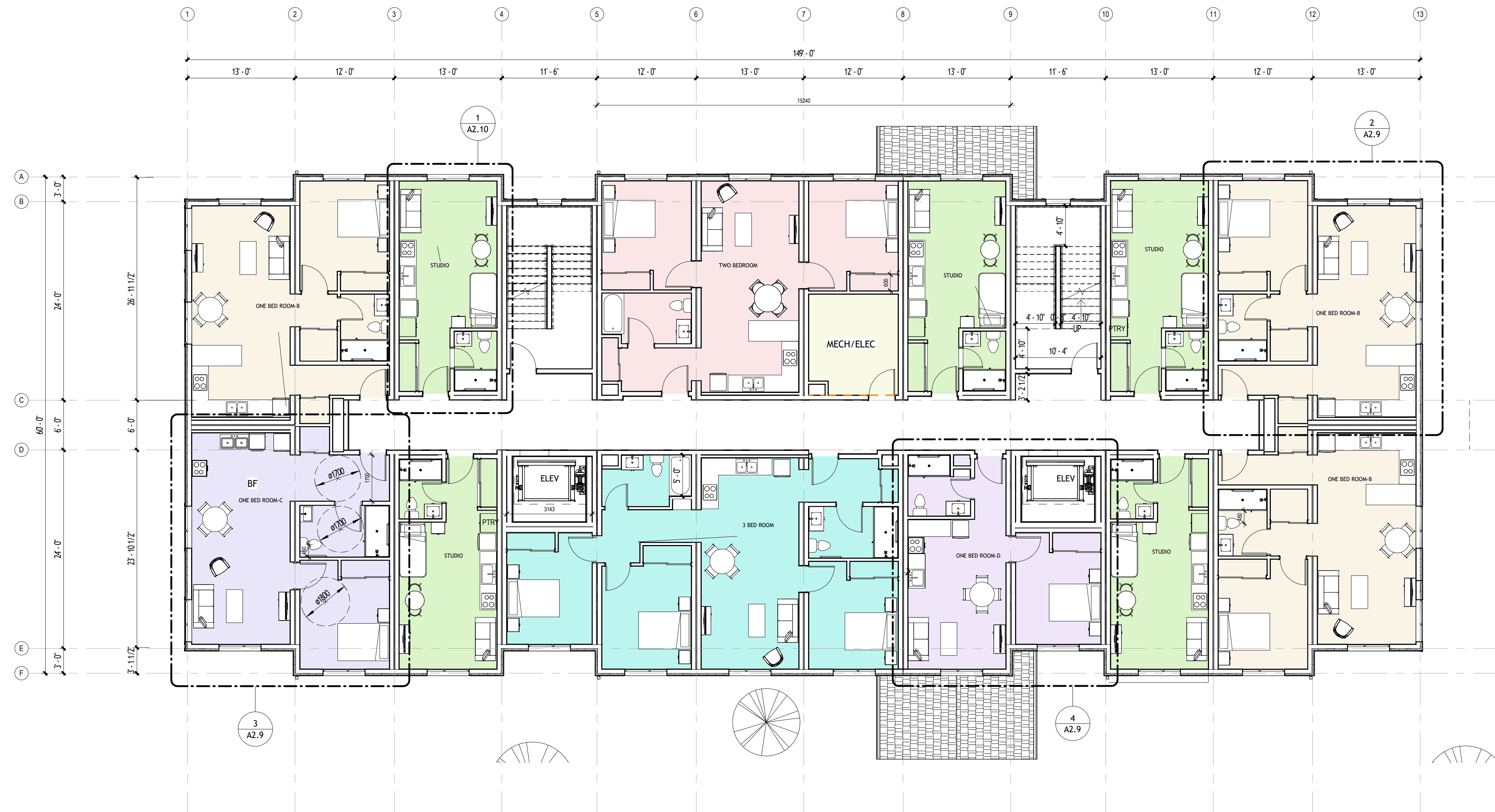
48 ALLIANCE BLVD. UNIT 110  
BARRIE, ONTARIO L4M 5K3  
WWW.MCLARCHITECTS.CA

T: 705 722 8739  
F: 705 728 5418

DRAWING TITLE:  
**GROUND FLOOR**

PROJECT NAME:  
**COLLINGWOOD MODULAR AFFORDABLE HOUSING**  
29 BIRCH ST COLLINGWOOD ON

COUNTY OF SIMCOE  
DATE: MAR-02-26 PROJECT # SHEET #  
DRAWN BY: SA Project Number **A2.2**  
SCALE: As indicated



UNIT TYPE	UNIT COUNT				TOTAL
	G FLOOR	2ND FLOOR	3RD FLOOR	BF %20	
STUDIO UNIT	3	5	5	3	13
ONE BED ROOM	1	5	5	2	11
TWO BED ROOM	1	1	1	1	3
THREE BED ROOM	1	1	1	1	3
TOTAL UNITS/ FLOOR	6	12	12	7	30

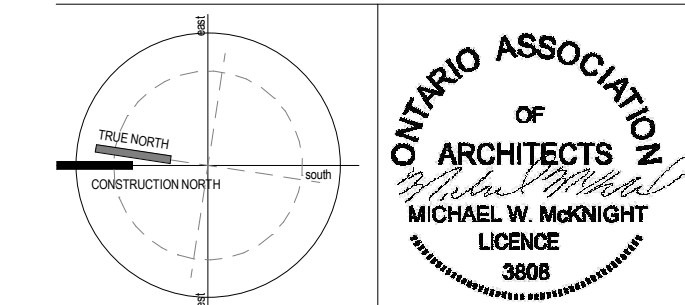
- 3 BED ROOM
- ONE BED ROOM-B
- ONE BED ROOM-C
- ONE BED ROOM-D
- Room Name
- STUDIO
- TWO BEDROOM

**1** SECOND FLOOR  
1 : 100

APPROVAL

NO.	REVISIONS	DATE
2	SITE PLAN RESUBMISSION	Feb-27-25
1	SITE PLAN APPLICATION	Nov-21-25

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**MCLARCHITECTS**  
MCKNIGHT CHARRON LIMITED

48 ALLIANCE BLVD. UNIT 110  
BARRIE, ONTARIO L4M 5K3  
WWW.MCLARCHITECTS.CA

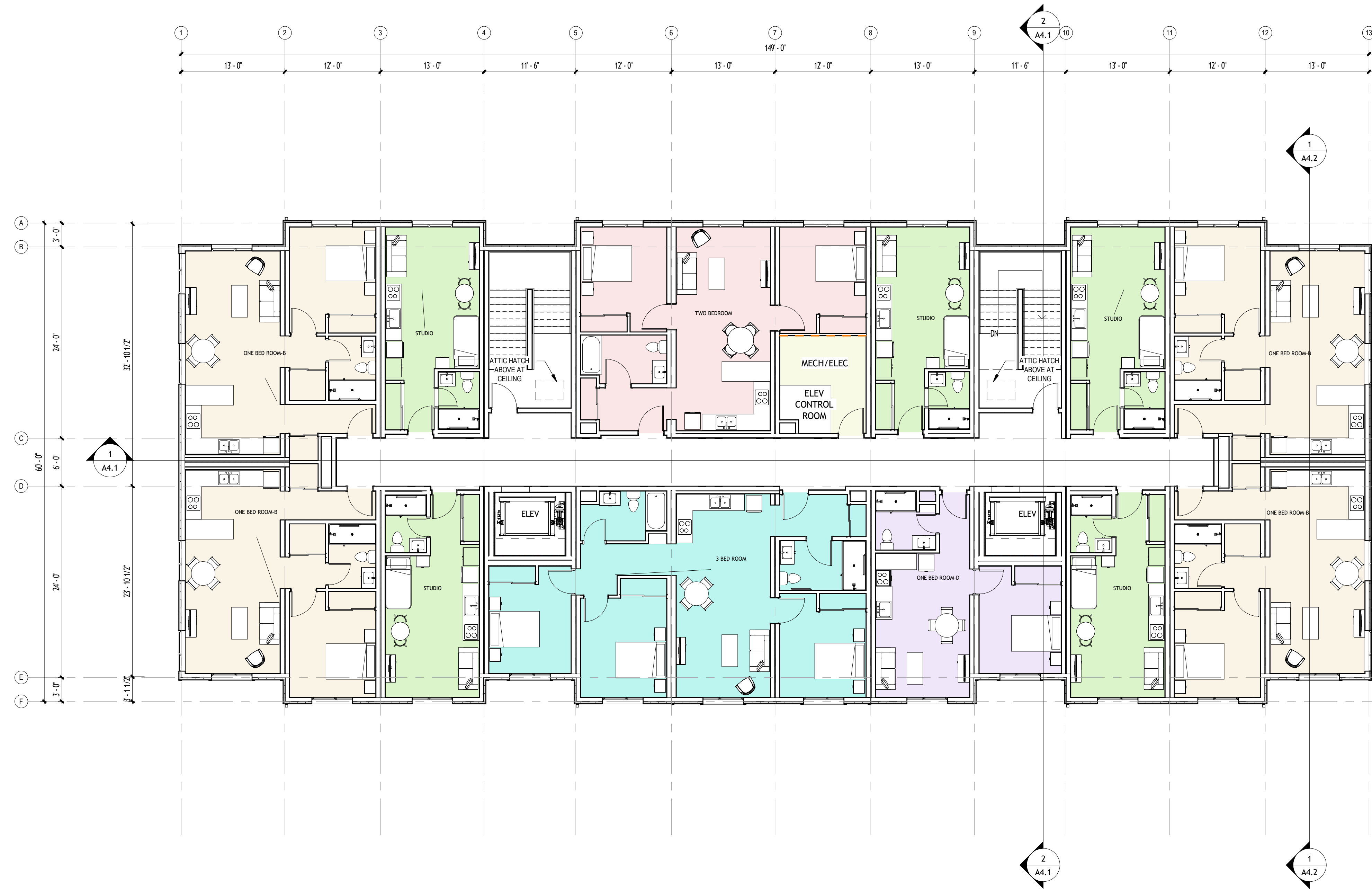
T: 705 722 8739  
F: 705 726 5418

DRAWING TITLE:  
**SECOND FLOOR**

PROJECT NAME:  
**COLLINGWOOD MODULAR AFFORDABLE HOUSING**  
29 BIRCH ST COLLINGWOOD ON

COUNTY OF SIMCOE

DATE: MAR-02-26	PROJECT #	SHEET #
DRAWN BY: SA	Project Number	<b>A2.3</b>
SCALE: As indicated		



UNIT TYPE	UNIT COUNT				TOTAL
	6 FLOOR	2ND FLOOR	3RD FLOOR	BF %20	
STUDIO UNIT	3	5	5	3	13
ONE BED ROOM	1	5	5	2	11
TWO BED ROOM	1	1	1	1	3
THREE BED ROOM	1	1	1	1	3
TOTAL UNITS/ FLOOR	6	12	12	7	30

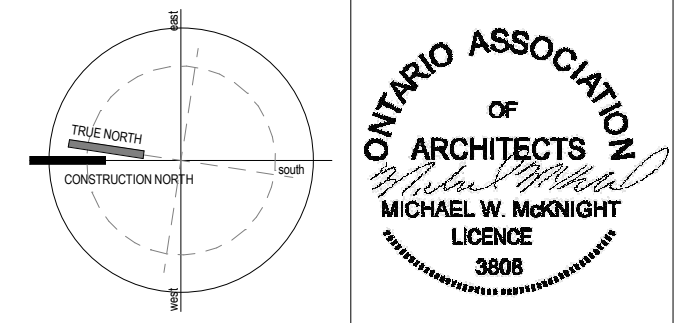
- 3 BED ROOM
- ONE BED ROOM-B
- ONE BED ROOM-D
- Room Name
- STUDIO
- TWO BEDROOM

**1** THIRD FLOOR  
1 : 100

APPROVAL

NO.	DESCRIPTION	DATE
2	SITE PLAN RESUBMISSION	Feb-27-25
1	SITE PLAN APPLICATION	Nov-21-25

**REVISIONS**  
ALL DIMENSIONS TO BE CHECKED AND VERIFIED ON SITE. DISCREPANCIES TO BE REPORTED TO THE ARCHITECT. LATEST APPROVED STAMPED DRAWINGS ONLY TO BE USED FOR CONSTRUCTION.



**MCLARCHITECTS**  
MCKNIGHT CHARRON LIMITED

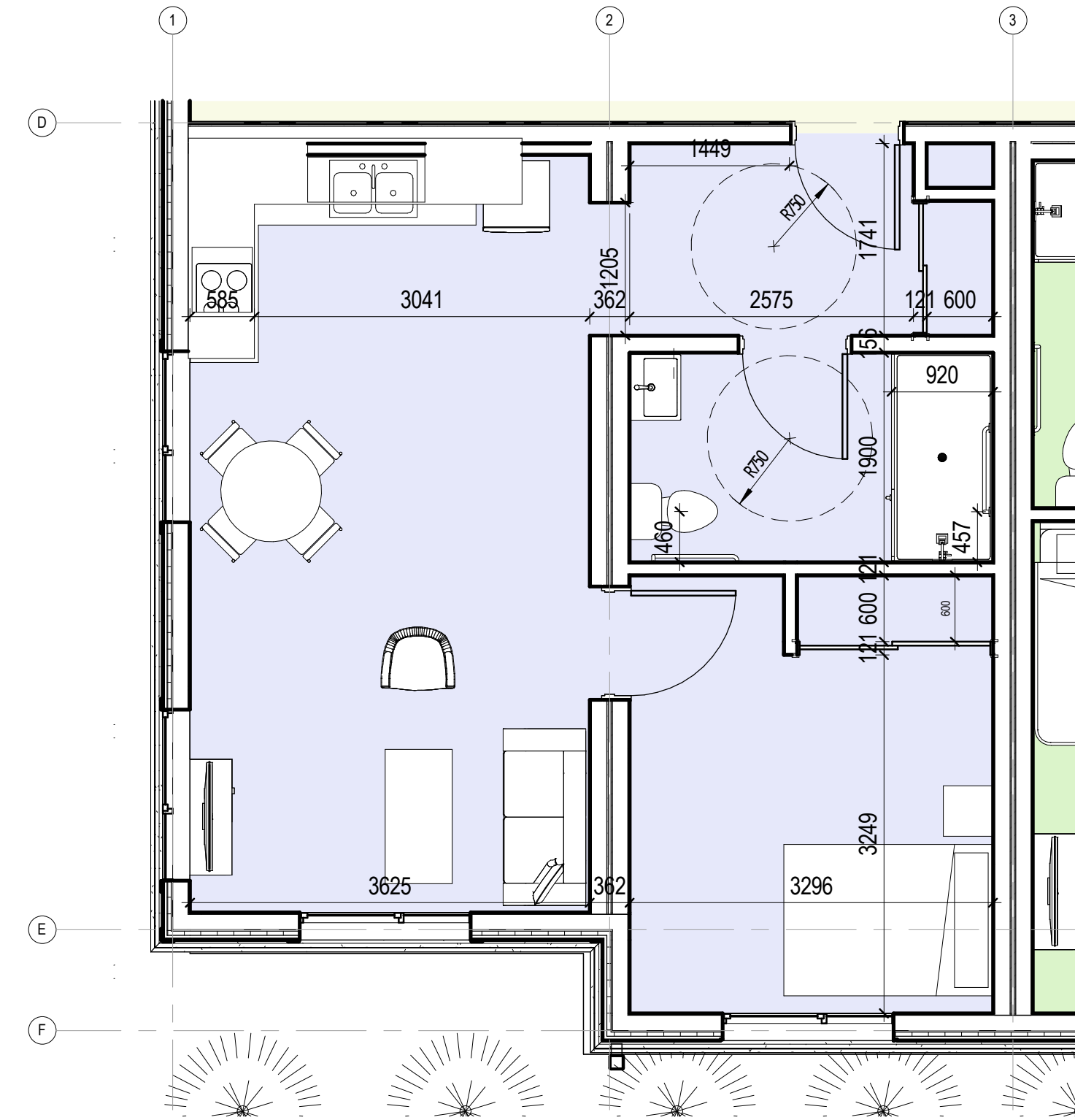
48 ALLIANCE BLVD. UNIT 110  
BARRIE, ONTARIO L4M 5K3  
WWW.MCLARCHITECTS.CA

T: 705 722 8739  
F: 705 726 5418

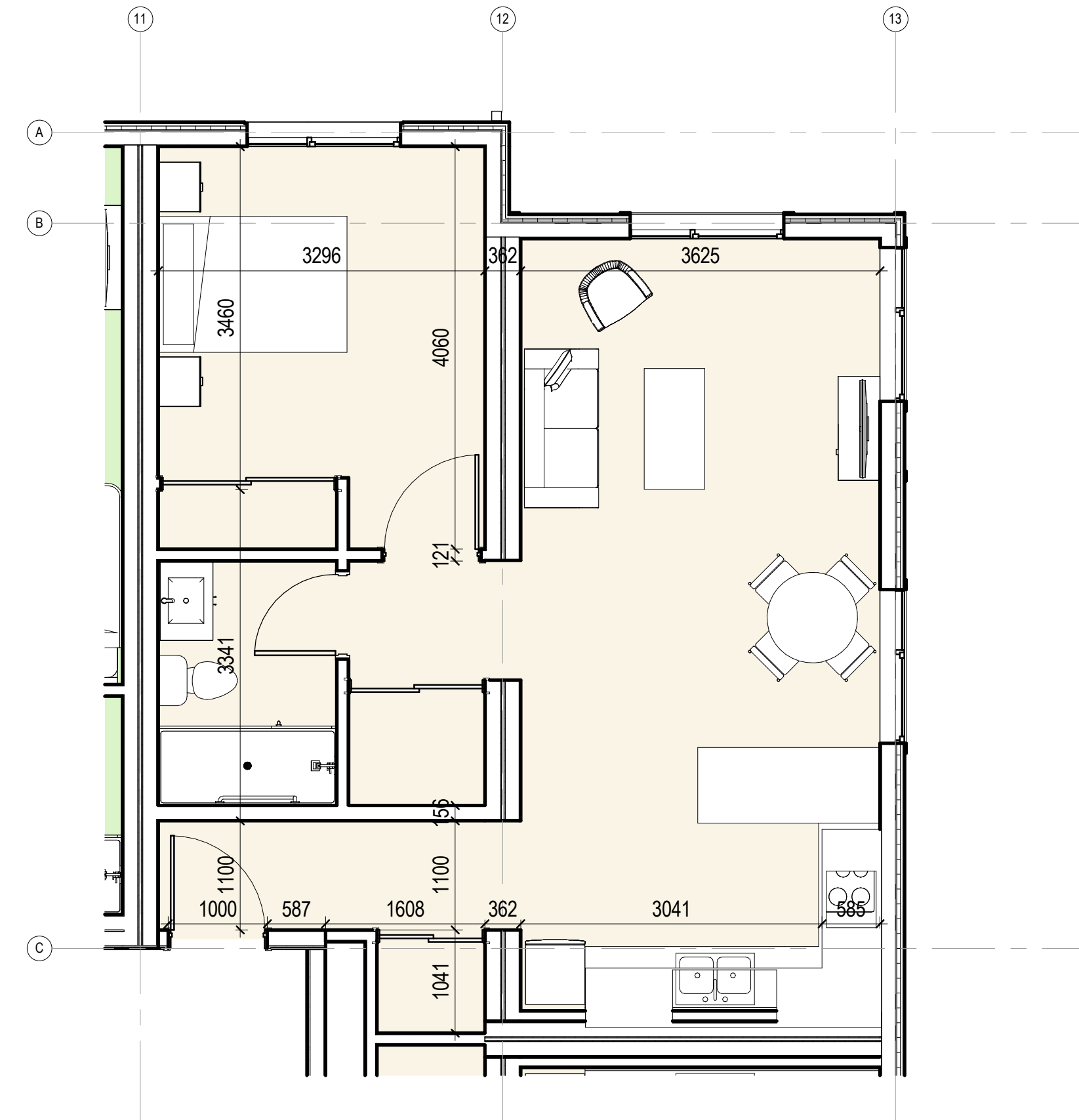
DRAWING TITLE:  
**THIRD FLOOR**

PROJECT NAME:  
**COLLINGWOOD MODULAR AFFORDABLE HOUSING**  
29 BIRCH ST COLLINGWOOD ON

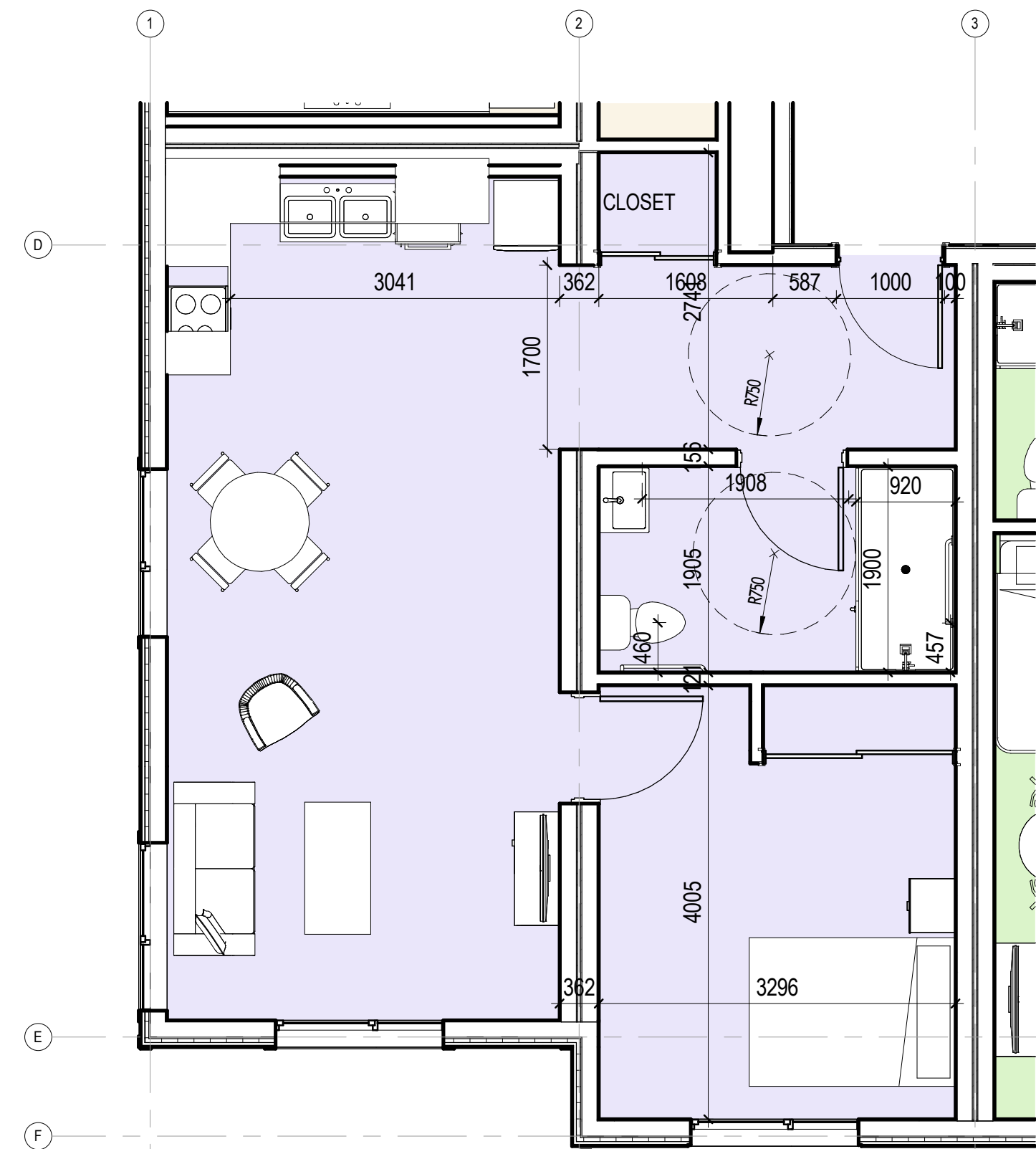
COUNTY OF SIMCOE			
DATE:	MAR-02-26	PROJECT #	SHEET #
DRAWN BY:	Author	Project Number	<b>A2.4</b>
SCALE:	As indicated		



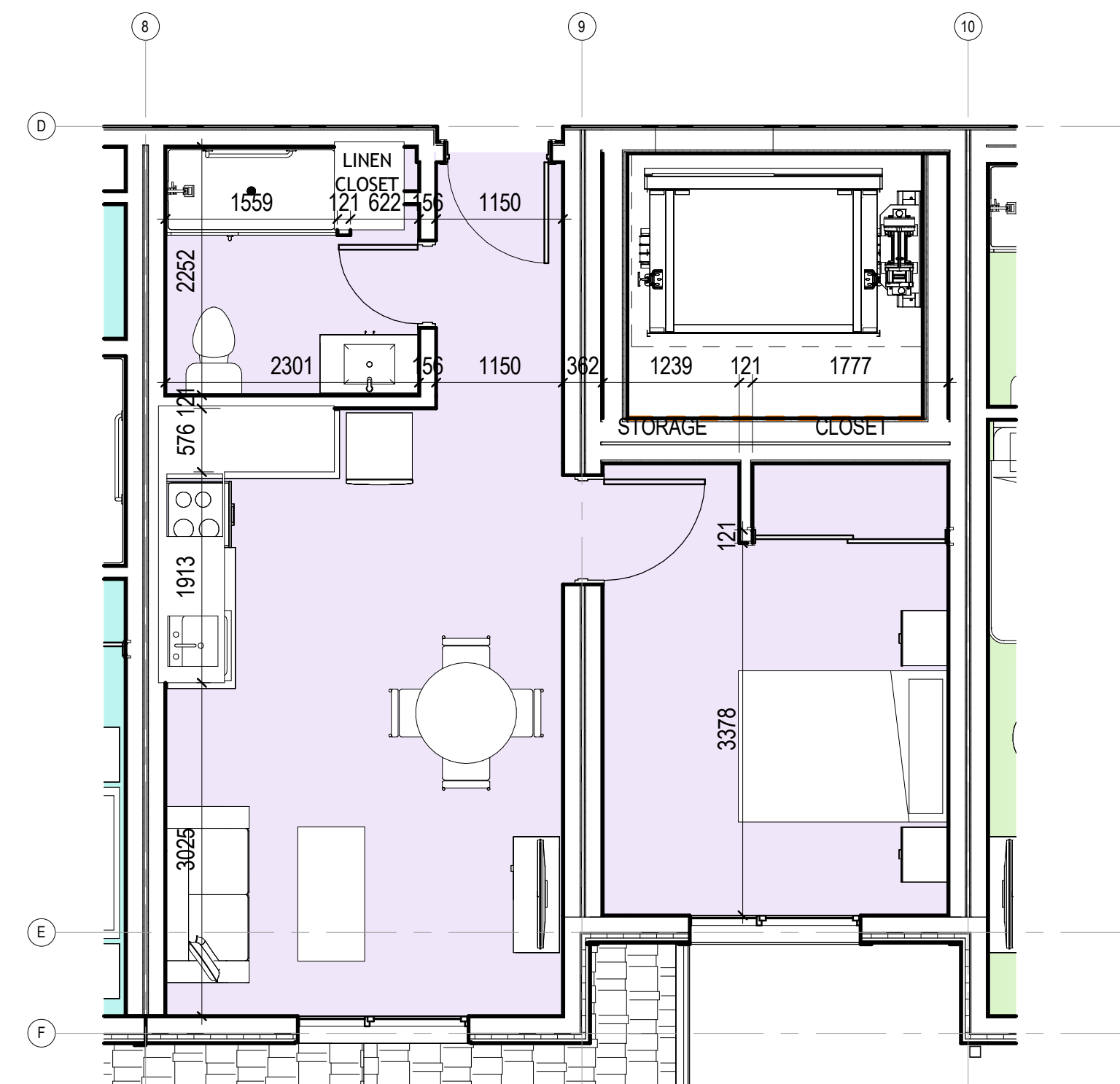
1 ONE BEDROOM TYPE A-BF  
1 : 50



2 ONE BEDROOM TYPE B  
1 : 50



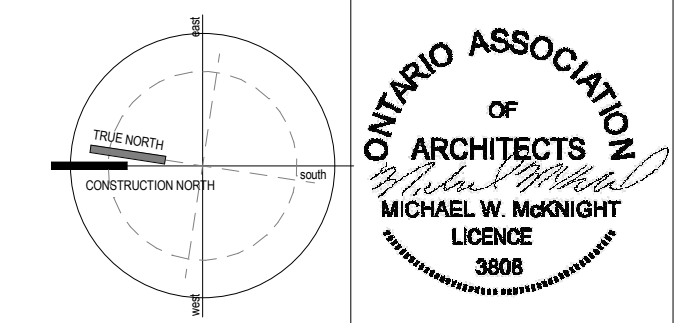
3 ONE BEDROOM TYPE C-BF  
1 : 50



4 ONE BEDROOM TYPE D  
1 : 50

REVISIONS	
2	SITE PLAN RESUBMISSION Feb-27-25
1	SITE PLAN APPLICATION Nov-21-25

ALL DIMENSIONS TO BE CHECKED AND VERIFIED ON SITE. DISCREPANCIES TO BE REPORTED TO THE ARCHITECT. LATEST APPROVED STAMPED DRAWINGS ONLY TO BE USED FOR CONSTRUCTION.



**MCLARCHITECTS**  
MCKNIGHT CHARRON LIMITED

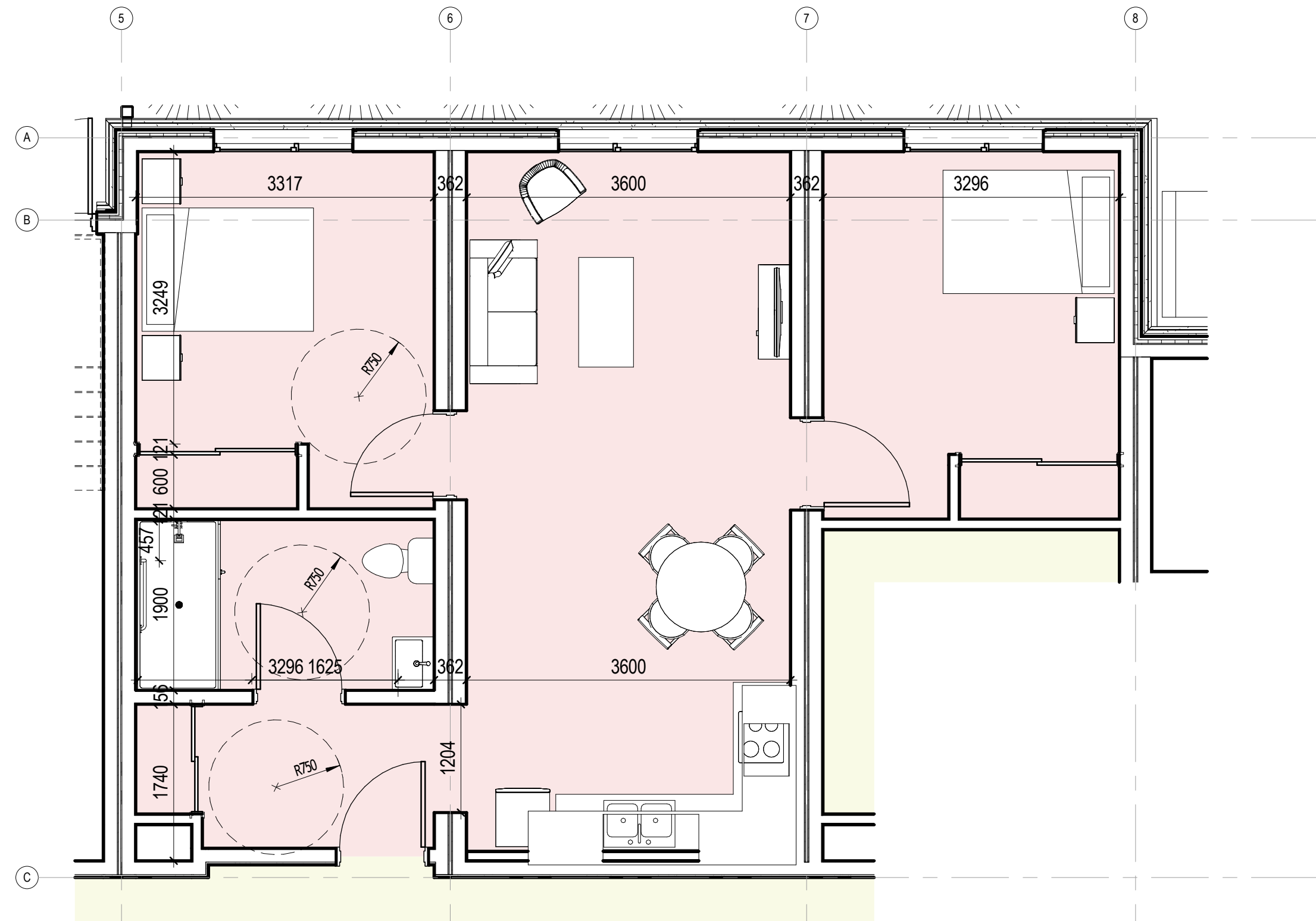
48 ALLIANCE BLVD. UNIT 110  
BARRIE, ONTARIO L4M 5K3  
WWW.MCLARCHITECTS.CA

T: 705 722 8739  
F: 705 726 5418

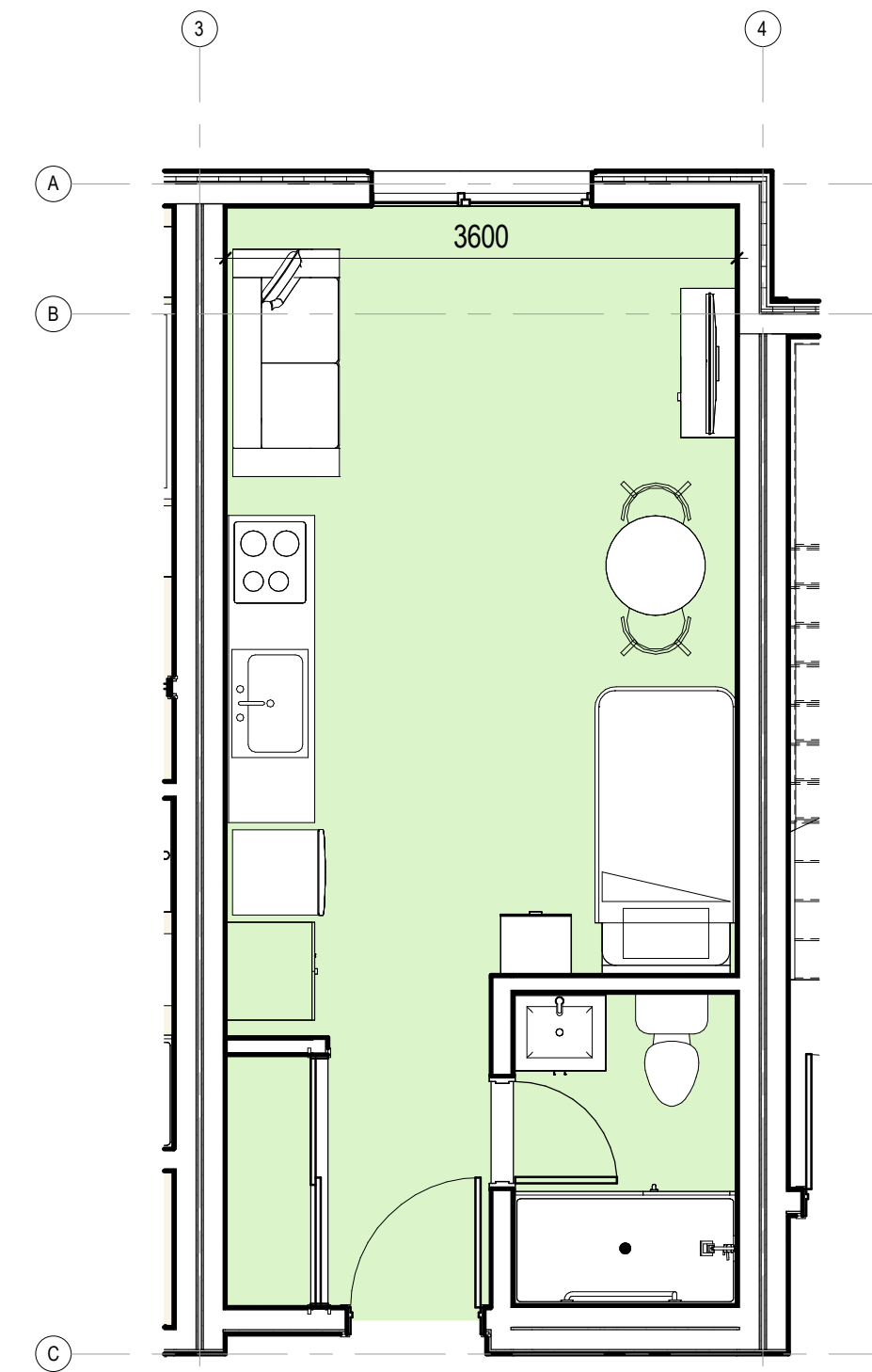
DRAWING TITLE:  
**UNIT LAYOUTS-1**

PROJECT NAME:  
**COLLINGWOOD MODULAR AFFORDABLE HOUSING**  
29 BIRCH ST COLLINGWOOD ON

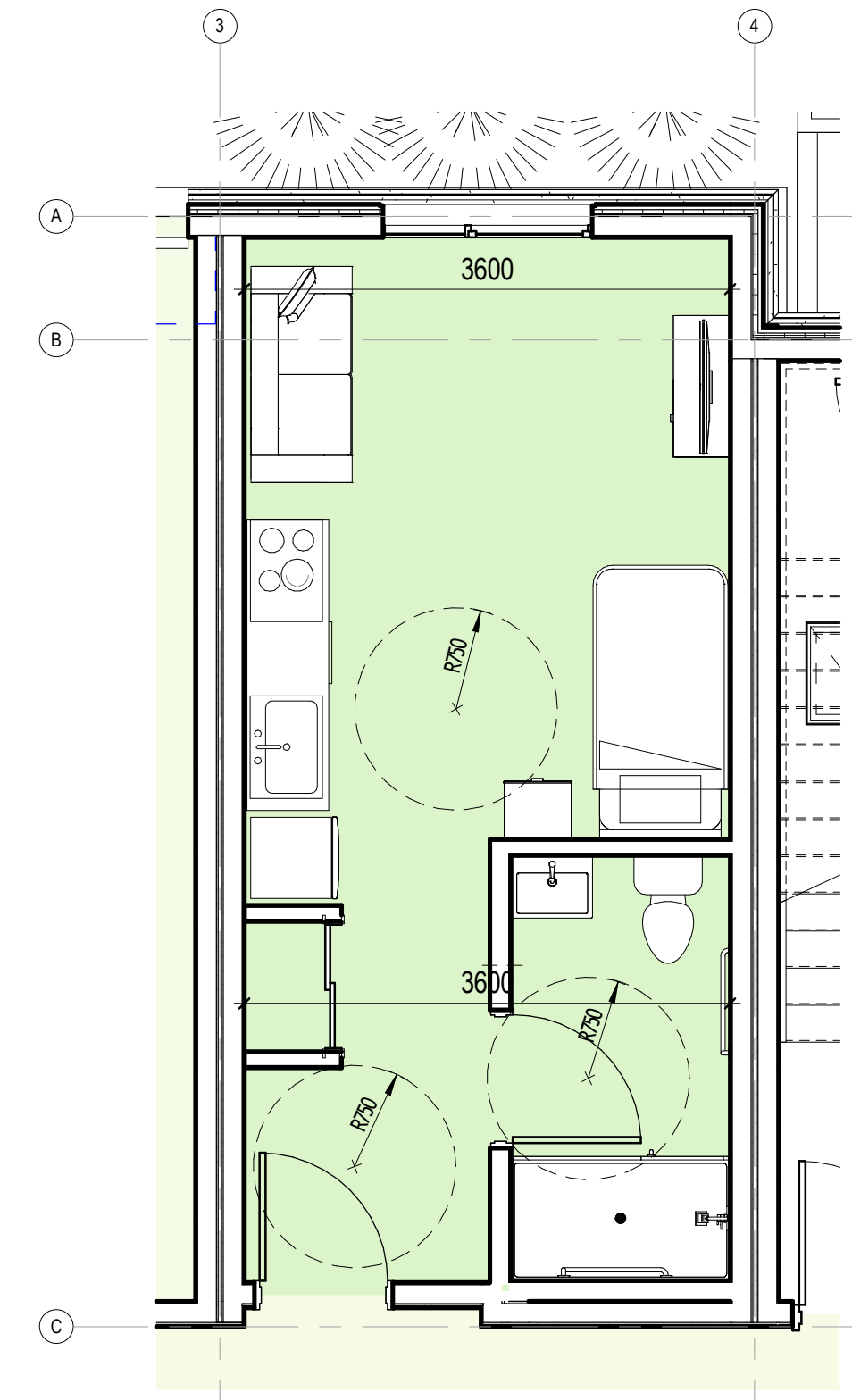
COUNTY OF SIMCOE			
DATE:	MAR-02-26	PROJECT #	SHEET #
DRAWN BY:	Author	Project Number	A2.9
SCALE:	As indicated		



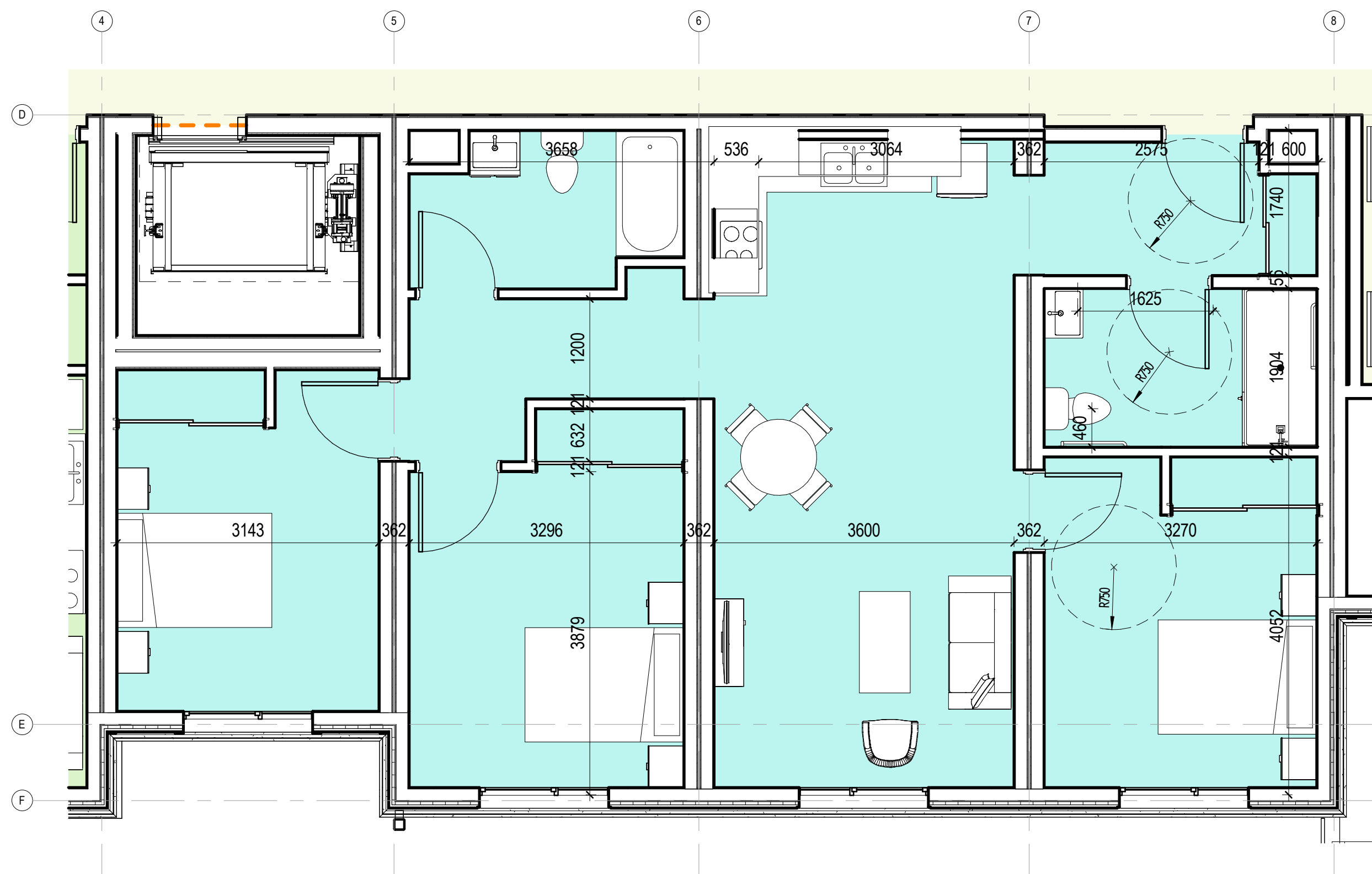
4 TWO BEDROOM UNIT-BF  
1 : 50



1 STUDIO UNIT  
1 : 50



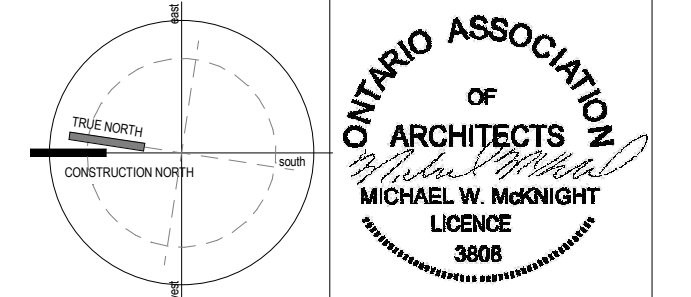
2 STUDIO UNIT-BF  
1 : 50



3 THREE BEDROOM UNIT-BF  
1 : 50

NO.	REVISIONS	DATE
2	SITE PLAN RESUBMISSION	Feb-27-25
1	SITE PLAN APPLICATION	Nov-21-25

REVISIONS  
ALL DIMENSIONS TO BE CHECKED AND VERIFIED ON SITE. DISCREPANCIES TO BE REPORTED TO THE ARCHITECT. LATEST APPROVED STAMPED DRAWINGS ONLY TO BE USED FOR CONSTRUCTION.



**MCLARCHITECTS**  
MCKNIGHT CHARRON LIMITED

48 ALLIANCE BLVD. UNIT 110  
BARRIE, ONTARIO L4M 5K3  
WWW.MCLARCHITECTS.CA

T: 705 722 8739  
F: 705 726 5418

DRAWING TITLE:  
**UNIT LAYOUTS-2**

PROJECT NAME:  
**COLLINGWOOD MODULAR AFFORDABLE HOUSING**  
29 BIRCH ST COLLINGWOOD ON

DATE:	MAR-02-26	PROJECT #		SHEET #
DRAWN BY:	Author	Project Number		<b>A2.10</b>
SCALE:	As indicated			



1 EAST ELEVATION  
1 : 100



2 SOUTH ELEVATION  
1 : 100

APPROVAL

NO.	REVISIONS	DATE
2	SITE PLAN RESUBMISSION	Feb-27-25
1	SITE PLAN APPLICATION	Nov-21-25

REVISIONS  
ALL DIMENSIONS TO BE CHECKED AND VERIFIED ON SITE. DISCREPANCIES TO BE REPORTED TO THE ARCHITECT. LATEST APPROVED STAMPED DRAWINGS ONLY TO BE USED FOR CONSTRUCTION.



**MCLARCHITECTS**  
MCKNIGHT CHARRON LIMITED

48 ALLIANCE BLVD. UNIT 110  
BARRIE, ONTARIO L4M 5K3  
WWW.MCLARCHITECTS.CA

T: 705 722 8739  
F: 705 728 5418

DRAWING TITLE:  
**Building Elevations**

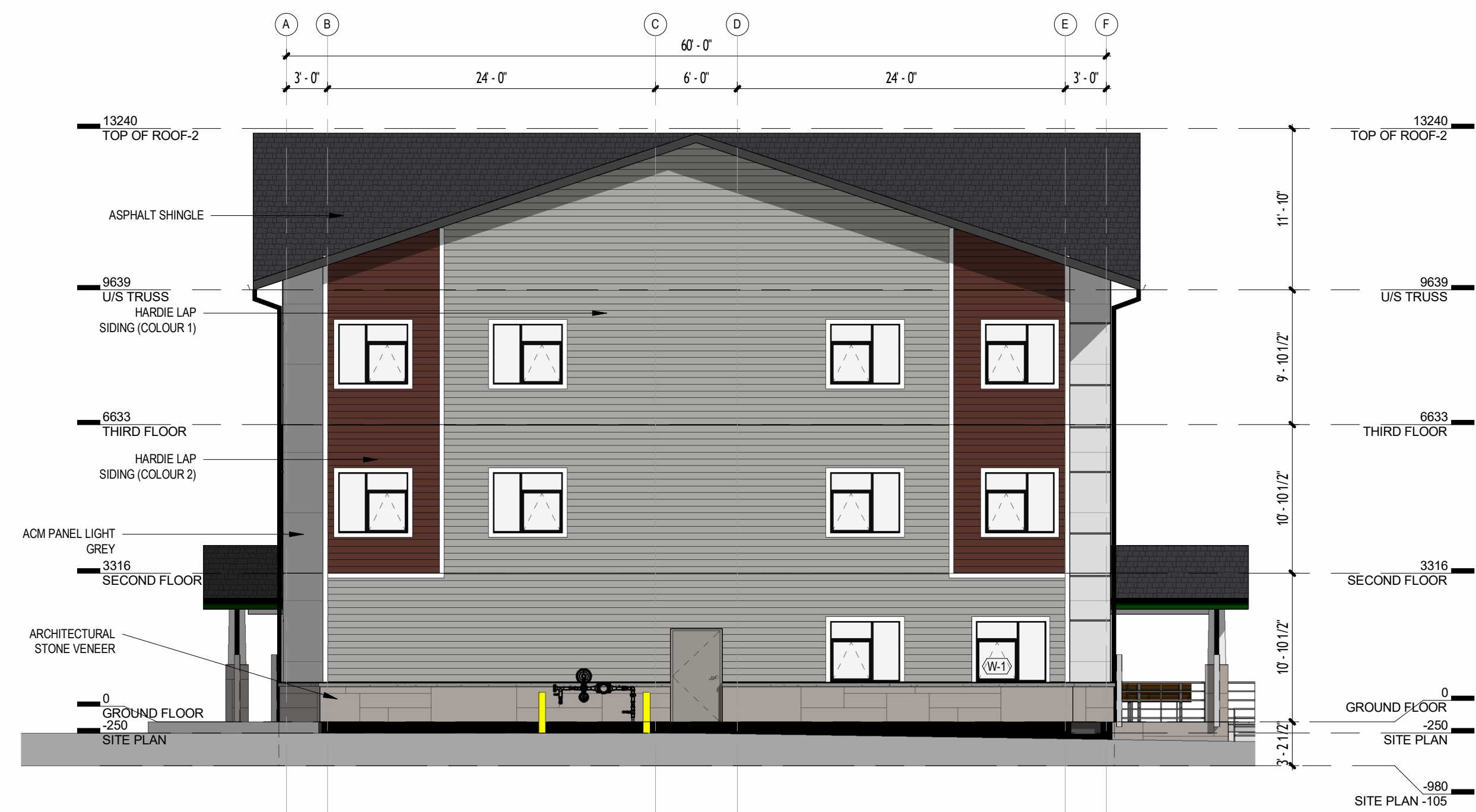
PROJECT NAME:  
**COLLINGWOOD MODULAR AFFORDABLE HOUSING**  
29 BIRCH ST COLLINGWOOD ON

COUNTY OF SIMCOE

DATE:	MAR-02-26	PROJECT #		SHEET #
DRAWN BY:	SA	Project Number		A3.1
SCALE:	1 : 100			



1 WEST ELEVATION  
1 : 100



3 NORTH ELEVATION  
1 : 100

APPROVAL

NO.	REVISIONS	DATE
2	SITE PLAN RESUBMISSION	Feb-27-25
1	SITE PLAN APPLICATION	Nov-21-25

REVISIONS  
ALL DIMENSIONS TO BE CHECKED AND VERIFIED ON SITE. DISCREPANCIES TO BE REPORTED TO THE ARCHITECT. LATEST APPROVED STAMPED DRAWINGS ONLY TO BE USED FOR CONSTRUCTION.



**MCLARCHITECTS**  
MCKNIGHT CHARRON LIMITED

48 ALLIANCE BLVD. UNIT 110  
BARRIE, ONTARIO L4M 5K3  
WWW.MCLARCHITECTS.CA

T: 705 722 8739  
F: 705 728 5418

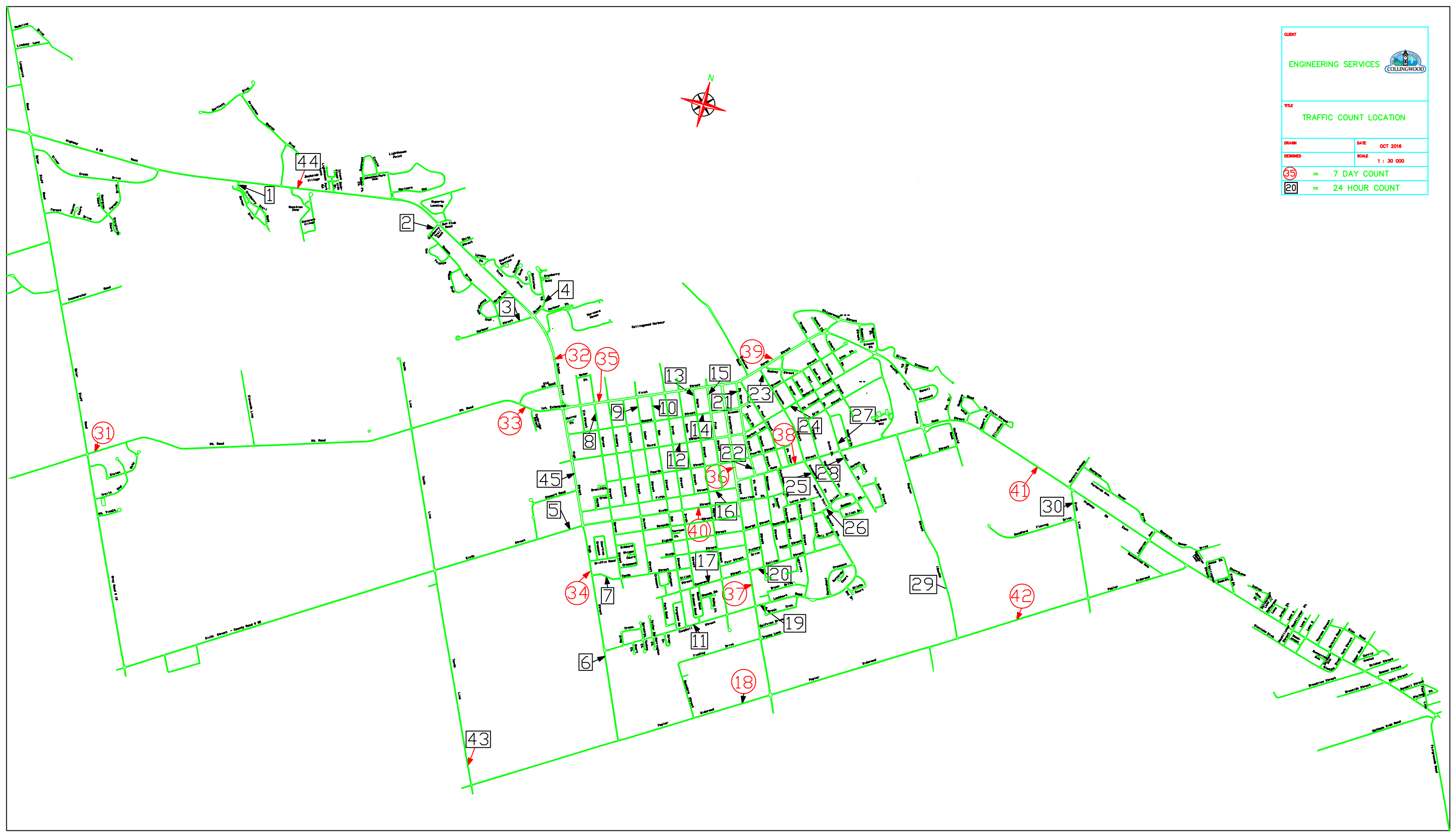
DRAWING TITLE:  
Building Elevations


PROJECT NAME:  
COLLINGWOOD MODULAR  
AFFORDABLE HOUSING  
29 BIRCH ST COLLINGWOOD ON

COUNTY OF SIMCOE			
DATE:	MAR-02-26	PROJECT #	SHEET #
DRAWN BY:	SA	Project Number	A3.2
SCALE:	1 : 100		

# APPENDIX B

## ROAD TRAFFIC DATA

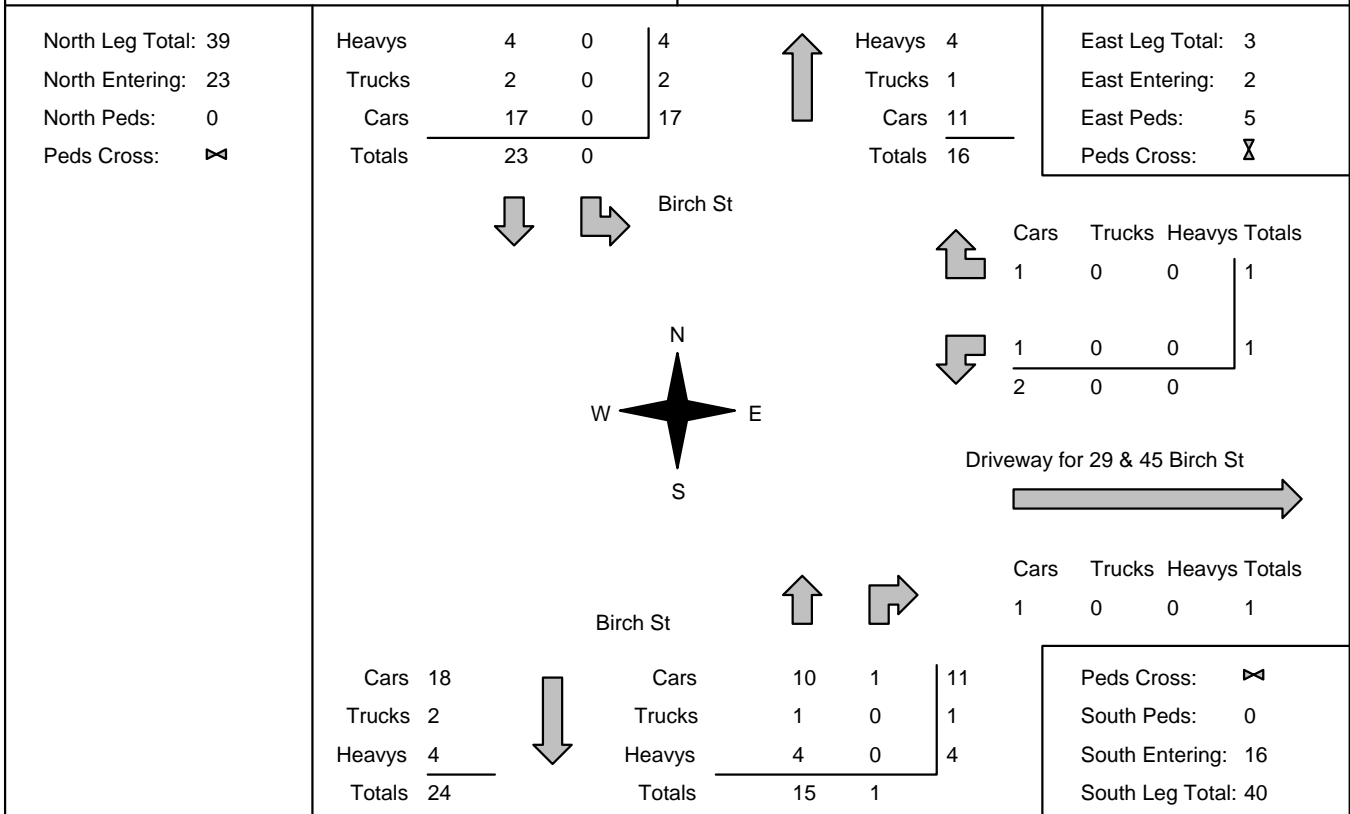


CLIENT	
ENGINEERING SERVICES 	
TITLE	
TRAFFIC COUNT LOCATION	
DRAWN	DATE OCT 2016
DESIGNED	SCALE 1 : 30 000
<span style="border: 1px solid red; border-radius: 50%; padding: 2px;">35</span>	= 7 DAY COUNT
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">20</span>	= 24 HOUR COUNT



# Accu-Traffic Inc.

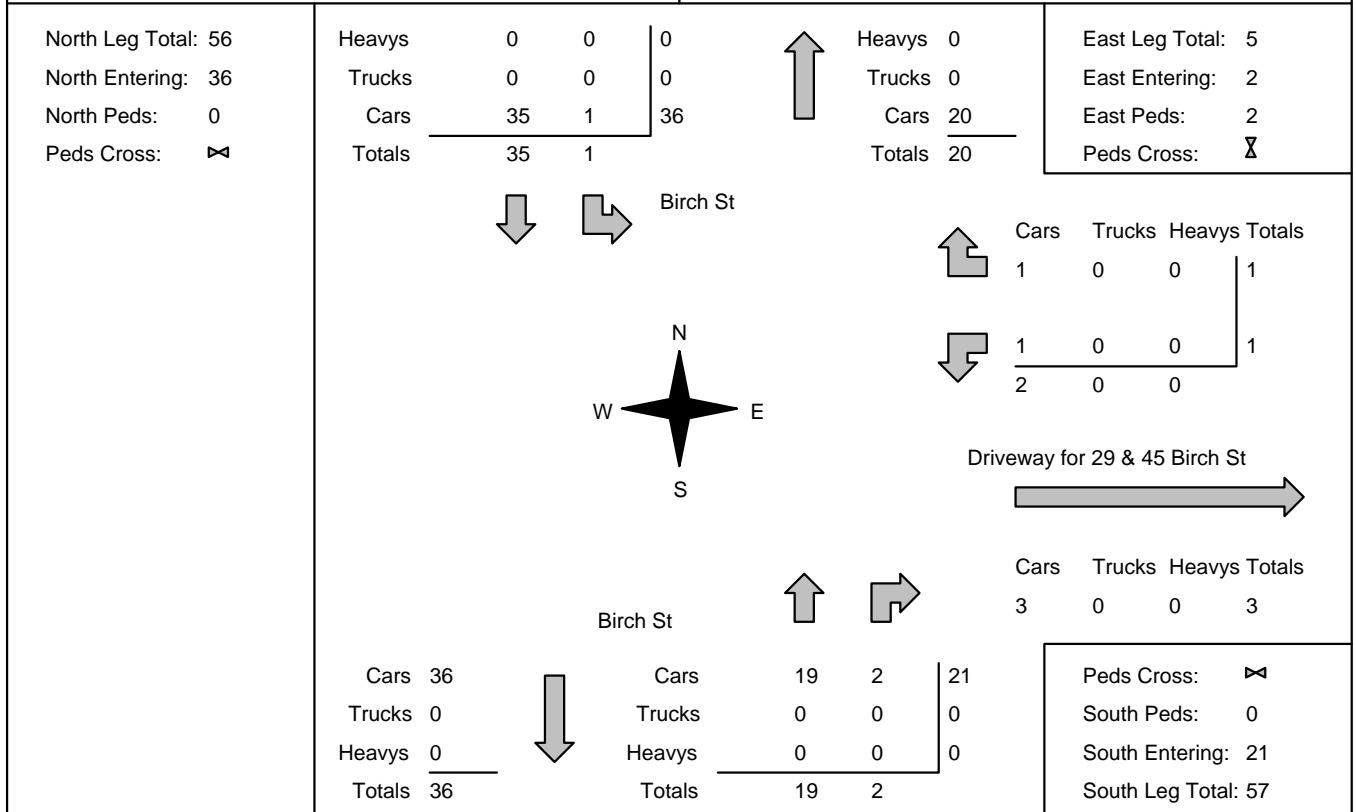
<b>Morning Peak Diagram</b>	<b>Specified Period</b> From: 7:00:00 To: 9:00:00	<b>One Hour Peak</b> From: 7:45:00 To: 8:45:00
<b>Municipality:</b> Collingwood <b>Site #:</b> 2507100001 <b>Intersection:</b> Birch St & Driveway for 29 & 45 Birch St <b>TFR File #:</b> 1 <b>Count date:</b> 28-May-25	<b>Weather conditions:</b>  <b>Person counted:</b> <b>Person prepared:</b> <b>Person checked:</b>	
<b>** Non-Signalized Intersection **</b>	<b>Major Road:</b> Birch St runs N/S	



Comments

# Accu-Traffic Inc.

<b>Afternoon Peak Diagram</b>	<b>Specified Period</b> <b>From:</b> 16:00:00 <b>To:</b> 19:00:00	<b>One Hour Peak</b> <b>From:</b> 17:15:00 <b>To:</b> 18:15:00
<b>Municipality:</b> Collingwood <b>Site #:</b> 2507100001 <b>Intersection:</b> Birch St & Driveway for 29 & 45 Birch St <b>TFR File #:</b> 1 <b>Count date:</b> 28-May-25	<b>Weather conditions:</b>  <b>Person counted:</b> <b>Person prepared:</b> <b>Person checked:</b>	
<b>** Non-Signalized Intersection **</b>	<b>Major Road:</b> Birch St runs N/S	



## Comments

# Accu-Traffic Inc.

## Total Count Diagram

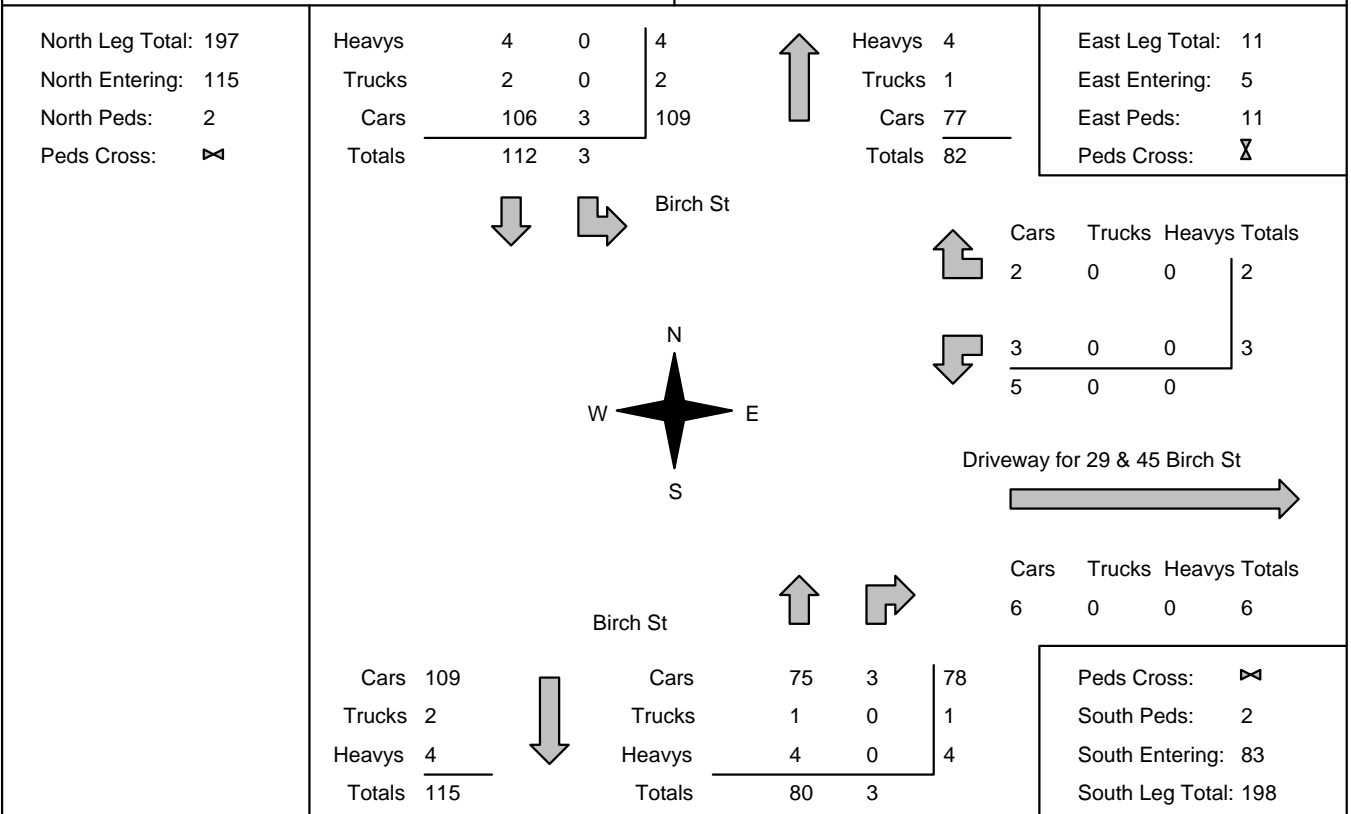
**Municipality:** Collingwood  
**Site #:** 2507100001  
**Intersection:** Birch St & Driveway for 29 & 45 Birch  
**TFR File #:** 1  
**Count date:** 28-May-25

**Weather conditions:**

**Person counted:**  
**Person prepared:**  
**Person checked:**

**\*\* Non-Signalized Intersection \*\***

**Major Road:** Birch St runs N/S



Peds Cross:   
 South Peds: 2  
 South Entering: 83  
 South Leg Total: 198



**Accu-Traffic Inc.**  
Traffic Monitoring & Data Analysis

# Accu-Traffic Inc.

## Traffic Count Summary

Intersection: Birch St & Driveway for 29 & 45 Bi      Count Date: 28-May-25      Municipality: Collingwood

North Approach Totals						North/South Total Approaches	South Approach Totals					
Hour Ending	Includes Cars, Trucks, & Heavys				Total Peds		Hour Ending	Includes Cars, Trucks, & Heavys				Total Peds
	Left	Thru	Right	Grand Total				Left	Thru	Right	Grand Total	
7:00:00	0	0	0	0	0	0	7:00:00	0	0	0	0	0
8:00:00	0	11	0	11	0	26	8:00:00	0	15	0	15	0
9:00:00	0	24	0	24	0	37	9:00:00	0	12	1	13	0
16:00:00	0	0	0	0	0	0	16:00:00	0	0	0	0	0
17:00:00	1	23	0	24	2	39	17:00:00	0	15	0	15	2
18:00:00	0	33	0	33	0	57	18:00:00	0	22	2	24	0
19:00:00	2	21	0	23	0	39	19:00:00	0	16	0	16	0
<b>Totals:</b>	<b>3</b>	<b>112</b>	<b>0</b>	<b>115</b>	<b>2</b>	<b>198</b>	<b>S Totals:</b>	<b>0</b>	<b>80</b>	<b>3</b>	<b>83</b>	<b>2</b>
East Approach Totals						East/West Total Approaches	West Approach Totals					
Hour Ending	Includes Cars, Trucks, & Heavys				Total Peds		Hour Ending	Includes Cars, Trucks, & Heavys				Total Peds
	Left	Thru	Right	Grand Total				Left	Thru	Right	Grand Total	
7:00:00	0	0	0	0	0	0	7:00:00	0	0	0	0	0
8:00:00	1	0	0	1	3	1	8:00:00	0	0	0	0	0
9:00:00	0	0	1	1	4	1	9:00:00	0	0	0	0	0
16:00:00	0	0	0	0	0	0	16:00:00	0	0	0	0	0
17:00:00	1	0	0	1	2	1	17:00:00	0	0	0	0	0
18:00:00	0	0	1	1	2	1	18:00:00	0	0	0	0	0
19:00:00	1	0	0	1	0	1	19:00:00	0	0	0	0	0
<b>Totals:</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>5</b>	<b>11</b>	<b>5</b>	<b>W Totals:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Calculated Values for Traffic Crossing Major Street</b>												
Hours Ending:	7:00	8:00	9:00	16:00		17:00	18:00	19:00	0:00			
Crossing Values:	0	1	0	0		5	0	1	0			









## Richard Li

---

**From:** John Northcote <john.northcote@jdengineering.ca>  
**Sent:** August 19, 2025 3:14 PM  
**To:** Richard Li  
**Cc:** Hamelin, Rachelle; Allister Aresta  
**Subject:** RE: Traffic Study or Data Request: 29 & 45 Birch Street, Collingwood-Noise (VCL# 1250154.000)

### This Message Is From an Untrusted Sender

You have not previously corresponded with this sender.

[Report Suspicious](#)

Hi Richard,

We typically use the peak hour traffic volume multiplied by 10 to get the daily traffic.

Our estimate for the two-way daily traffic on Birch Street is 730 vehicles in 2030.

Is this what you need?

Thanks,

John Northcote, P.Eng.

**JD Engineering**

Phone: (705) 725-4035



---

**From:** Richard Li <richard@valcoustics.com>  
**Sent:** August-19-25 11:38 AM  
**To:** John Northcote <john.northcote@jdengineering.ca>  
**Cc:** Hamelin, Rachelle <Rachelle.Hamelin@simcoe.ca>; Allister Aresta <allister.aresta@jdengineering.ca>  
**Subject:** RE: Traffic Study or Data Request: 29 & 45 Birch Street, Collingwood-Noise (VCL# 1250154.000)

Hi John,

Do you have a factor number that can be used to multiply the provided 6.25-hour TMC data to obtain the daily traffic volumes? Or do you have an updated traffic data for Birch Street?

Thank you,

**Richard Qiang Li, P.Eng**  
Associate

**A Trinity Consultants Canada Team** 🍁

[WorkingBuildings](#) | [Cerami](#) | [Longman Lindsey](#) | [Valcoustics](#) | [Jaffe Holden](#)  
Consultants in Acoustics, AV, IT & Security, Commissioning

30 Wertheim Court, Unit 25, Richmond Hill, Ontario, L4B 1B9 Canada  
[richard@valcoustics.com](mailto:richard@valcoustics.com) | 647-954-1538  
[Trinity Consultants](#) | [Built Environment](#)

---

**From:** John Northcote <[john.northcote@jdengineering.ca](mailto:john.northcote@jdengineering.ca)>  
**Sent:** June 9, 2025 2:14 PM  
**To:** Richard Li <[richard@valcoustics.com](mailto:richard@valcoustics.com)>  
**Cc:** Hamelin, Rachelle <[Rachelle.Hamelin@simcoe.ca](mailto:Rachelle.Hamelin@simcoe.ca)>; Allister Aresta <[allister.aresta@jdengineering.ca](mailto:allister.aresta@jdengineering.ca)>  
**Subject:** RE: Traffic Study or Data Request: 29 & 45 Birch Street, Collingwood-Noise (VCL# 1250154.000)

Hi Richard,

Attached is the traffic data collected on Birch Street at the site access.

Do you need traffic data on First Street also?

Thanks,

John Northcote, P.Eng.  
**JD Engineering**  
Phone: (705) 725-4035



---

**From:** Richard Li <[richard@valcoustics.com](mailto:richard@valcoustics.com)>  
**Sent:** June-09-25 12:39 PM  
**To:** John Northcote <[john.northcote@jdengineering.ca](mailto:john.northcote@jdengineering.ca)>  
**Cc:** Ian Matthew <[ian@valcoustics.com](mailto:ian@valcoustics.com)>; Hamelin, Rachelle <[Rachelle.Hamelin@simcoe.ca](mailto:Rachelle.Hamelin@simcoe.ca)>  
**Subject:** RE: Traffic Study or Data Request: 29 & 45 Birch Street, Collingwood-Noise (VCL# 1250154.000)

Hi John,

Just following up about the traffic data. The data don't have to be in a complete form or in a full TIS report, as far as they can be used for our traffic noise study.

Thank you,

Richard Qiang Li, Ph.D., P.Eng.  
Acoustical Engineer

# APPENDIX C

## ENVIRONMENTAL NOISE GUIDELINES

**APPENDIX B**

**ENVIRONMENTAL NOISE GUIDELINES**

**MINISTRY OF THE ENVIRONMENT AND CLIMATE CHANGE (MOE)**

Reference: MOE Publication NPC-300, October 2013: *“Environmental Noise Guideline, Stationary and Transportation Source – Approval and Planning”*.

SPACE	SOURCE	TIME PERIOD	CRITERION
Living/dining, den areas of residences, hospitals, nursing homes, schools, daycare centres, etc.	Road	07:00 to 23:00	45 dBA
	Rail	07:00 to 23:00	40 dBA
	Aircraft	24-hour period	NEF/NEP 5
Living/dining, den areas of residences, hospitals, nursing homes, etc. (except schools or daycare centres)	Road	23:00 to 07:00	45 dBA
	Rail	23:00 to 07:00	40 dBA
	Aircraft	24-hour period	NEF/NEP 5
Sleeping quarters	Road	07:00 to 23:00	45 dBA
	Rail	07:00 to 23:00	40 dBA
	Aircraft	24-hour period	NEF/NEP 0
Sleeping quarters	Road	23:00 to 07:00	40 dBA
	Rail	23:00 to 07:00	35 dBA
	Aircraft	24-hour period	NEF/NEP 0
Outdoor Living Areas	Road and Rail	07:00 to 23:00	55 dBA
Outdoor Point of Reception	Aircraft	24-hour period	NEF/NEP 30 <sup>#</sup>
	Stationary Source		
	Class 1 Area	07:00 to 19:00 <sup>(1)</sup> 19:00 to 23:00 <sup>(1)</sup>	50 <sup>+</sup> dBA 50 <sup>+</sup> dBA
	Class 2 Area	07:00 to 19:00 <sup>(2)</sup> 19:00 to 23:00 <sup>(2)</sup>	50 <sup>+</sup> dBA 45 <sup>+</sup> dBA
	Class 3 Area	07:00 to 19:00 <sup>(3)</sup> 19:00 to 23:00 <sup>(3)</sup>	45 <sup>+</sup> dBA 40 <sup>+</sup> dBA
	Class 4 Area	07:00 to 19:00 <sup>(4)</sup> 19:00 to 23:00 <sup>(4)</sup>	55 <sup>+</sup> dBA 55 <sup>+</sup> dBA

.../cont'd

SPACE	SOURCE	TIME PERIOD	CRITERION
Plane of a Window of Noise Sensitive Spaces	Stationary Source Class 1 Area	07:00 to 19:00 <sup>(1)</sup>	50 <sup>+</sup> dBA
		19:00 to 23:00 <sup>(1)</sup>	50 <sup>+</sup> dBA
		23:00 to 07:00 <sup>(1)</sup>	45 <sup>+</sup> dBA
	Class 2 Area	07:00 to 19:00 <sup>(2)</sup>	50 <sup>+</sup> dBA
		19:00 to 23:00 <sup>(2)</sup>	50 <sup>+</sup> dBA
		23:00 to 07:00 <sup>(2)</sup>	45 <sup>+</sup> dBA
	Class 3 Area	07:00 to 19:00 <sup>(3)</sup>	45 <sup>+</sup> dBA
		19:00 to 23:00 <sup>(3)</sup>	45 <sup>+</sup> dBA
		23:00 to 07:00 <sup>(3)</sup>	40 <sup>+</sup> dBA
	Class 4 Area	07:00 to 19:00 <sup>(4)</sup>	60 <sup>+</sup> dBA
		19:00 to 23:00 <sup>(4)</sup>	60 <sup>+</sup> dBA
		23:00 to 07:00 <sup>(4)</sup>	55 <sup>+</sup> dBA

- # may not apply to in-fill or re-development.  
 \* or the minimum hourly background sound exposure  $L_{eq(1)}$ , due to road traffic, if higher.
- (1) Class 1 Area: Urban.
  - (2) Class 2 Area: Urban during day; rural-like evening and night.
  - (3) Class 3 Area: Rural.
  - (4) Class 4 Area: Subject to land use planning authority's approval.

Reference: MOE Publication ISBN 0-7729-2804-5, 1987: *"Environmental Noise Assessment in Land-Use Planning"*.

EXCESS ABOVE RECOMMENDED SOUND LEVEL LIMITS (dBA)	CHANGE IN SUBJECTIVE LOUDNESS ABOVE	MAGNITUDE OF THE NOISE PROBLEM	NOISE CONTROL MEASURES (OR ACTION TO BE TAKEN)
No excess (<55 dBA)	—	No expected noise problem	None
1 to 5 inclusive (56 to 60 dBA)	Noticeably louder	Slight noise impact	If no physical measures are taken, then prospective purchasers or tenants should be made aware by suitable warning clauses.
6 to 10 inclusive (61 - 65 dBA)	Almost twice as loud	Definite noise impact	Recommended.
11 to 15 inclusive (66 - 70 dBA)	Almost three times as loud	Serious noise impact	Strongly Recommended.
16 and over (>70 dBA)	Almost four times as loud	Very serious noise impact	Strongly Recommended (may be mandatory).

# APPENDIX D

## SAMPLE STAMSON CALCULATION

STAMSON 5.04                      NORMAL REPORT                      Date: 24-03-2026 13:25:11  
 MINISTRY OF ENVIRONMENT AND ENERGY / NOISE ASSESSMENT

Filename: a\_nw\_nf.te                      Time Period: Day/Night 16/8 hours  
 Description: Predicted Sound Levels, North Facade

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

-----

Car traffic volume : 31123/3458 veh/TimePeriod \*  
 Medium truck volume : 655/73 veh/TimePeriod \*  
 Heavy truck volume : 983/109 veh/TimePeriod \*  
 Posted speed limit : 50 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): 25996  
 Percentage of Annual Growth : 2.00  
 Number of Years of Growth : 17.00  
 Medium Truck % of Total Volume : 2.00  
 Heavy Truck % of Total Volume : 3.00  
 Day (16 hrs) % of Total Volume : 90.00

Data for Segment # 1: First St (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 : 84.00 / 84.00 m  
 Receiver height : 8.00 / 8.00 m  
 Topography : 1 (Flat/gentle slope; no barrier)  
 Reference angle : 0.00

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

-----

Car traffic volume : 698/78 veh/TimePeriod \*  
 Medium truck volume : 11/1 veh/TimePeriod \*  
 Heavy truck volume : 30/3 veh/TimePeriod \*  
 Posted speed limit : 40 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): 730  
 Percentage of Annual Growth : 2.00  
 Number of Years of Growth : 6.00  
 Medium Truck % of Total Volume : 1.50  
 Heavy Truck % of Total Volume : 4.10  
 Day (16 hrs) % of Total Volume : 90.00

Data for Segment # 2: Birch St (day/night)

```

-----
Angle1   Angle2           :   0.00 deg   90.00 deg
Wood depth           :           0       (No woods.)
No of house rows     :           0 / 0
Surface              :           2       (Reflective ground surface)
Receiver source distance : 24.00 / 24.00 m
Receiver height      :           8.00 / 8.00 m
Topography           :           1       (Flat/gentle slope; no barrier)
Reference angle      :           0.00
  
```

Results segment # 1: First St (day)

Source height = 1.32 m

ROAD (0.00 + 58.04 + 0.00) = 58.04 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.47	70.16	0.00	-11.00	-1.12	0.00	0.00	0.00	58.04

Segment Leq : 58.04 dBA

Results segment # 2: Birch St (day)

Source height = 1.42 m

ROAD (0.00 + 47.62 + 0.00) = 47.62 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.00	52.67	0.00	-2.04	-3.01	0.00	0.00	0.00	47.62

Segment Leq : 47.62 dBA

Total Leq All Segments: 58.42 dBA

Results segment # 1: First St (night)

Source height = 1.32 m

ROAD (0.00 + 51.50 + 0.00) = 51.50 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.47	63.62	0.00	-11.00	-1.12	0.00	0.00	0.00	51.50

Segment Leq : 51.50 dBA

Results segment # 2: Birch St (night)

Source height = 1.38 m

ROAD (0.00 + 40.71 + 0.00) = 40.71 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
0	90	0.00	45.76	0.00	-2.04	-3.01	0.00	0.00	0.00	40.71

Segment Leq : 40.71 dBA

Total Leq All Segments: 51.85 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 58.42  
(NIGHT): 51.85

STAMSON 5.04                      NORMAL REPORT                      Date: 24-03-2026 13:27:37  
 MINISTRY OF ENVIRONMENT AND ENERGY / NOISE ASSESSMENT

Filename: c\_ola.te                      Time Period: Day/Night 16/8 hours  
 Description: Predicted Sound Levels, Amenity Seating Area - OLA

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

-----  
 Car traffic volume : 31123/3458 veh/TimePeriod \*  
 Medium truck volume : 655/73 veh/TimePeriod \*  
 Heavy truck volume : 983/109 veh/TimePeriod \*  
 Posted speed limit : 50 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): 25996  
 Percentage of Annual Growth : 2.00  
 Number of Years of Growth : 17.00  
 Medium Truck % of Total Volume : 2.00  
 Heavy Truck % of Total Volume : 3.00  
 Day (16 hrs) % of Total Volume : 90.00

Data for Segment # 1: First St (day/night)

-----  
 Angle1 Angle2 : -90.00 deg 19.00 deg  
 Wood depth : 0 (No woods.)  
 No of house rows : 1 / 0  
 Surface : 1 (Absorptive ground surface)  
 Receiver source distance : 118.00 / 118.00 m  
 Receiver height : 1.50 / 8.00 m  
 Topography : 2 (Flat/gentle slope; with barrier)  
 Barrier angle1 : -90.00 deg Angle2 : 19.00 deg  
 Barrier height : 0.00 m  
 Barrier receiver distance : 3.00 / 3.00 m  
 Source elevation : 0.00 m  
 Receiver elevation : 0.00 m  
 Barrier elevation : 0.00 m  
 Reference angle : 0.00

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

-----  
 Car traffic volume : 698/78 veh/TimePeriod \*  
 Medium truck volume : 11/1 veh/TimePeriod \*  
 Heavy truck volume : 30/3 veh/TimePeriod \*  
 Posted speed limit : 40 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): 730  
 Percentage of Annual Growth : 2.00  
 Number of Years of Growth : 6.00  
 Medium Truck % of Total Volume : 1.50  
 Heavy Truck % of Total Volume : 4.10  
 Day (16 hrs) % of Total Volume : 90.00

CANADA

Data for Segment # 2: Birch St (day/night)

```

-----
Angle1  Angle2      : -90.00 deg  90.00 deg
Wood depth      :      0      (No woods.)
No of house rows :      0 / 0
Surface         :      2      (Reflective ground surface)
Receiver source distance : 13.00 / 24.00 m
Receiver height  :      1.50 / 8.00 m
Topography      :      2      (Flat/gentle slope; with barrier)
Barrier angle1   : -90.00 deg  Angle2 : 90.00 deg
Barrier height   :      0.00 m
Barrier receiver distance : 2.00 / 10.00 m
Source elevation :      0.00 m
Receiver elevation :      0.00 m
Barrier elevation :      0.00 m
Reference angle  :      0.00
  
```

Results segment # 1: First St (day)

Source height = 1.32 m

Barrier height for grazing incidence

```

-----
Source      ! Receiver    ! Barrier      ! Elevation of
Height (m) ! Height (m) ! Height (m) ! Barrier Top (m)
-----+-----+-----+-----
      1.32 !      1.50 !      1.50 !      1.50
  
```

ROAD (0.00 + 45.84 + 0.00) = 45.84 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	19	0.66	70.16	0.00	-14.87	-3.36	0.00	-6.09	0.00	45.84
-90	19	0.66	70.16	0.00	-14.87	-3.36	0.00	0.00	-0.19	51.74*
-90	19	0.66	70.16	0.00	-14.87	-3.36	0.00	0.00	0.00	51.93

\* Bright Zone !

Segment Leq : 45.84 dBA

Results segment # 2: Birch St (day)

Source height = 1.42 m

Barrier height for grazing incidence

```

-----
Source      ! Receiver    ! Barrier      ! Elevation of
Height (m) ! Height (m) ! Height (m) ! Barrier Top (m)
-----+-----+-----+-----
      1.42 !      1.50 !      1.49 !      1.49
  
```

ROAD (0.00 + 53.29 + 0.00) = 53.29 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.00	52.67	0.00	0.62	0.00	0.00	0.00	-0.14	53.15*
-90	90	0.00	52.67	0.00	0.62	0.00	0.00	0.00	0.00	53.29

\* Bright Zone !

Segment Leq : 53.29 dBA

Total Leq All Segments: 54.01 dBA

CANADA

Results segment # 1: First St (night)

Source height = 1.32 m

Barrier height for grazing incidence

Source Height (m)	Receiver Height (m)	Barrier Height (m)	Elevation of Barrier Top (m)
1.32	8.00	7.83	7.83

ROAD (0.00 + 47.36 + 0.00) = 47.36 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	19	0.47	63.62	0.00	-13.17	-3.09	0.00	0.00	-0.01	47.35*
-90	19	0.47	63.62	0.00	-13.17	-3.09	0.00	0.00	0.00	47.36

\* Bright Zone !

Segment Leq : 47.36 dBA

Results segment # 2: Birch St (night)

Source height = 1.38 m

Barrier height for grazing incidence

Source Height (m)	Receiver Height (m)	Barrier Height (m)	Elevation of Barrier Top (m)
1.38	8.00	5.24	5.24

ROAD (0.00 + 43.72 + 0.00) = 43.72 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.00	45.76	0.00	-2.04	0.00	0.00	0.00	-0.04	43.68*
-90	90	0.00	45.76	0.00	-2.04	0.00	0.00	0.00	0.00	43.72

\* Bright Zone !

Segment Leq : 43.72 dBA

Total Leq All Segments: 48.92 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 54.01  
(NIGHT): 48.92

# APPENDIX E

## SAMPLE CALCULATION – STATIONARY NOISE

Receiver Table

Name	Sel.	M.	ID	Level Lr			Limit Value			Land Use			Height (m)	Coordinates		
				Day	Eve	Night	Day	Eve	Night	Type	Auto	Noise Type		X	Y	Z
				(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)					(m)	(m)	(m)
OPOR2			OPOR2	47.3	47.3	44.4	0.0	0.0	0.0	x	Total	1.50	r17561795.82	4927890.20	1.50	
POW3			POW3	41.6	41.6	38.6	0.0	0.0	0.0	x	Total	5.50	r17561826.21	4927867.05	5.50	
OPOR3			OPOR3	49.5	49.5	46.5	0.0	0.0	0.0	x	Total	1.50	r17561802.68	4927859.69	1.50	
OPOR1			OPOR1	48.9	48.9	46.1	0.0	0.0	0.0	x	Total	1.50	r17561778.82	4927887.02	1.50	
POW2			POW2	41.6	41.6	38.7	0.0	0.0	0.0	x	Total	5.50	r17561824.04	4927877.98	5.50	
POW5			POW5	43.6	43.6	40.6	0.0	0.0	0.0	x	Total	5.50	r17561727.17	4927848.73	5.50	
POW4			POW4	44.1	44.1	41.1	0.0	0.0	0.0	x	Total	5.50	r17561725.64	4927868.18	5.50	
POW6			POW6	43.7	43.7	40.7	0.0	0.0	0.0	x	Total	5.50	r17561728.74	4927834.21	5.50	
POW1			POW1	46.1	46.1	43.2	0.0	0.0	0.0	x	Total	5.50	r17561758.95	4927892.22	5.50	
POW7			POW7	47.8	47.8	44.8	0.0	0.0	0.0	x	Total	2.50	r17561775.66	4927814.53	2.50	
OPOR4			OPOR4	46.7	46.7	43.7	0.0	0.0	0.0	x	Total	1.50	r17561784.90	4927814.15	1.50	

Point Sources

Name	Sel.	M.	ID	Result. PWL			Lw / Li		Correction				Sound Reduction		Attenuation			Operating Time			K0 (dB)	Freq. (Hz)	Direct.	Height (m)	Coordinates		
				Day	Evening	Night	Type	Value	norm.	Day	Evening	Night	R	Area	Day	Special	Night	Day	Special	Night					X	Y	Z
				(dBA)	(dBA)	(dBA)		dB(A)	dB(A)	dB(A)	dB(A)	dB(A)		(m²)	(min)	(min)	(min)	(min)	(min)	(min)					(m)	(m)	(m)
Generator	-	Gen		105.9	105.9	105.9	Lw	Gen		0.0	0.0	0.0								0.0	(none)	1.84	r17561795.18	4927884.26	1.84		
N	~	N		99.4	99.4	99.4	Lw	Gen		0.0	0.0	0.0			6.5					0.0	(none)	0.90	r17561794.86	4927886.18	0.90		
W	~	W		94.9	94.9	94.9	Lw	Gen		0.0	0.0	0.0			11					0.0	(none)	0.90	r17561794.72	4927883.92	0.90		
S	~	S		99.4	99.4	99.4	Lw	Gen		0.0	0.0	0.0			6.5					0.0	(none)	0.90	r17561795.60	4927881.94	0.90		
E	~	E		95.9	95.9	95.9	Lw	Gen		0.0	0.0	0.0			10					0.0	(none)	0.90	r17561795.78	4927884.09	0.90		
ODU-1			ODU-1	65.5	65.5	65.5	Lw	ODU		0.0	0.0	0.0								0.0	(none)	2.00	r17561781.98	4927874.36	2.00		
ODU-2			ODU-2	65.5	65.5	65.5	Lw	ODU		0.0	0.0	0.0					60.00	60.00	30.00	0.0	(none)	2.80	r17561781.98	4927874.36	2.80		
EA101	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561784.92	4927864.69	2.50		
EA201	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	5.50	r17561784.92	4927864.69	5.50		
EA301	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	8.50	r17561784.92	4927864.69	8.50		
EA102	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561785.95	4927857.39	2.50		
EA202	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	5.50	r17561785.95	4927857.39	5.50		
EA302	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	8.50	r17561785.95	4927857.39	8.50		
EA103	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561786.47	4927853.55	2.50		
EA203	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561786.47	4927853.55	2.50		
EA303	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561786.47	4927853.55	2.50		
EA104	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561787.00	4927849.67	2.50		
EA204	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561787.00	4927849.67	2.50		
EA304	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561787.00	4927849.67	2.50		
EA105	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561788.51	4927838.58	2.50		
EA205	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561788.51	4927838.58	2.50		
EA305	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561788.51	4927838.58	2.50		
EA106	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561789.00	4927834.80	2.50		
EA206	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561789.00	4927834.80	2.50		
EA306	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561789.00	4927834.80	2.50		
EA107	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561784.25	4927827.92	2.50		
EA207	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561784.25	4927827.92	2.50		
EA307	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561784.25	4927827.92	2.50		
EA108	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561776.77	4927826.90	2.50		
EA208	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561776.77	4927826.90	2.50		
EA308	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561776.77	4927826.90	2.50		
EA109	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561773.14	4927826.40	2.50		
EA209	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561773.14	4927826.40	2.50		
EA309	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561773.14	4927826.40	2.50		
EA110	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561770.22	4927832.17	2.50		
EA210	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561770.22	4927832.17	2.50		
EA310	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561770.22	4927832.17	2.50		
EA111	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561769.68	4927836.03	2.50		
EA211	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561769.68	4927836.03	2.50		
EA311	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561769.68	4927836.03	2.50		
EA112	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561768.18	4927847.12	2.50		
EA212	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561768.18	4927847.12	2.50		
EA312	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561768.18	4927847.12	2.50		
EA113	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0								0.0	(none)	2.50	r17561767.64	4927851.06	2.50		

Name	Sel.	M.	ID	Result. PWL			Lw / Li		Correction			Sound Reduction		Attenuation			Operating Time			K0	Freq.	Direct.	Height	Coordinates		
				Day (dBA)	Evening (dBA)	Night (dBA)	Type	Value norm.	Day dB(A)	Evening dB(A)	Night dB(A)	R	Area (m²)	Day (min)	Special (min)	Night (min)	(dB)	(Hz)	(m)					X (m)	Y (m)	Z (m)
EA213	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0							0.0	(none)	2.50	r17561767.64	4927851.06	2.50		
EA313	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0							0.0	(none)	2.50	r17561767.64	4927851.06	2.50		
EA114	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0							0.0	(none)	2.50	r17561767.16	4927854.94	2.50		
EA214	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0							0.0	(none)	2.50	r17561767.16	4927854.94	2.50		
EA314	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0							0.0	(none)	2.50	r17561767.16	4927854.94	2.50		
EA115	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0							0.0	(none)	2.50	r17561767.57	4927858.51	2.50		
EA215	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0							0.0	(none)	2.50	r17561767.57	4927858.51	2.50		
EA315	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0							0.0	(none)	2.50	r17561767.57	4927858.51	2.50		
EA01	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0							0.0	(none)	2.50	r17561766.14	4927862.15	2.50		
EA01	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0							0.0	(none)	2.50	r17561766.65	4927865.88	2.50		
EA01	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0							0.0	(none)	2.50	r17561766.05	4927869.86	2.50		
EA01	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0							0.0	(none)	2.50	r17561767.21	4927872.35	2.50		
EA01	-	EA		53.3	53.3	53.3	Lw	EA		0.0	0.0	0.0							0.0	(none)	2.50	r17561770.53	4927872.80	2.50		

Vertical Area Sources

Name	Sel.	M.	ID	Result. PWL			Result. PWL"			Lw / Li		Correction			Sound Reduction		Attenuation			Operating Time			K0	Freq.	Direct.
				Day (dBA)	Evening (dBA)	Night (dBA)	Day (dBA)	Evening (dBA)	Night (dBA)	Type	Value norm.	Day dB(A)	Evening dB(A)	Night dB(A)	R	Area (m²)	Day (min)	Special (min)	Night (min)	(dB)	(Hz)				
EAs & OAs			EAs_OAs	84.7	84.7	84.7	57.5	57.5	57.5	Lw	EA+10*log10(30)		0.0	0.0	0.0				60.00	60.00	30.00	0.0		(none)	
EAs & OAs			EAs_OAs	84.7	84.7	84.7	57.5	57.5	57.5	Lw	EA+10*log10(30)		0.0	0.0	0.0				60.00	60.00	30.00	0.0		(none)	
EAs & OAs			EAs_OAs	80.0	80.0	80.0	57.8	57.8	57.8	Lw	EA+10*log10(10)		0.0	0.0	0.0				60.00	60.00	30.00	0.0		(none)	
EAs & OAs			EAs_OAs	80.8	80.8	80.8	58.6	58.6	58.6	Lw	EA+10*log10(12)		0.0	0.0	0.0				60.00	60.00	30.00	0.0		(none)	

Sound Level Library

Name	ID	Type	Octave Spectrum (dB)													Source
			Weight.	31.5	63	125	250	500	1000	2000	4000	8000	A	lin		
Generator_200kW_Enclosure	Gen	Lw	A	66.0	80.3	90.1	96.8	98.0	100.6	99.5	96.5	91.7	105.9	112.8	Cummins Inc. Data Sheet	
ODU	ODU	Lw		0.0	65.1	65.1	63.1	64.1	61.1	56.1	50.1	41.1	65.5	71.1	Manufacturer Data: SLP @ 1.5 m = 54 dBA	
EA plus OA adjusted for outside	EA	Lw		-22.7	32.5	52.6	57.5	63.1	65.5	64.5	60.5	53.5	70.0	70.2	Manufacturer Data: SLP->Lw-> duct reduction ->EA	

Receiver  
 Name: OPOR3  
 ID: OPOR3  
 X: 17561802.68 m  
 Y: 4927859.69 m  
 Z: 1.50 m

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	Optime dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahours (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr dB(A)
13	17561786.02	4927856.65	6.10	0	D	A	57.5	7.8	0.0	0.0	0.0	35.9	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	31.9
25	17561786.84	4927850.69	6.10	0	D	A	57.5	7.8	0.0	0.0	0.0	36.5	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	31.3
32	17561785.78	4927858.40	6.10	2	D	A	57.5	3.9	0.0	0.0	0.0	52.1	1.1	-1.5	0.0	0.0	0.0	0.0	14.8	-5.0
34	17561785.90	4927857.48	6.10	1	D	A	57.5	6.4	0.0	0.0	0.0	49.0	0.8	-0.3	0.0	0.0	0.0	0.0	4.8	9.7
60	17561786.02	4927856.65	5.10	0	D	A	57.5	7.8	0.0	0.0	0.0	35.8	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	32.0
83	17561786.84	4927850.69	5.10	0	D	A	57.5	7.8	0.0	0.0	0.0	36.4	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	31.4
89	17561785.78	4927858.40	5.10	2	D	A	57.5	3.9	0.0	0.0	0.0	52.1	1.1	-1.5	0.0	0.0	0.0	0.0	14.8	-5.0
137	17561785.90	4927857.48	5.10	1	D	A	57.5	6.4	0.0	0.0	0.0	49.0	0.8	-0.3	0.0	0.0	0.0	0.0	4.8	9.7
182	17561786.02	4927856.65	7.10	0	D	A	57.5	7.8	0.0	0.0	0.0	36.0	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	31.8
185	17561786.84	4927850.69	7.10	0	D	A	57.5	7.8	0.0	0.0	0.0	36.6	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	31.2
190	17561785.78	4927858.40	7.10	2	D	A	57.5	3.9	0.0	0.0	0.0	52.1	1.1	-1.5	0.0	0.0	0.0	0.0	14.8	-5.0
201	17561785.90	4927857.48	7.10	1	D	A	57.5	6.4	0.0	0.0	0.0	49.0	0.8	-0.3	0.0	0.0	0.0	0.0	4.8	9.6
205	17561786.02	4927856.65	9.10	0	D	A	57.5	7.8	0.0	0.0	0.0	36.4	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	31.4
208	17561786.84	4927850.69	9.10	0	D	A	57.5	7.8	0.0	0.0	0.0	36.9	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	30.8
222	17561785.78	4927858.40	9.10	2	D	A	57.5	3.9	0.0	0.0	0.0	52.1	1.1	-1.5	0.0	0.0	0.0	0.0	14.8	-5.0
255	17561785.90	4927857.48	9.10	1	D	A	57.5	6.4	0.0	0.0	0.0	49.0	0.8	-0.3	0.0	0.0	0.0	0.0	4.8	9.6
258	17561786.02	4927856.65	8.10	0	D	A	57.5	7.8	0.0	0.0	0.0	36.2	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	31.6
284	17561786.84	4927850.69	8.10	0	D	A	57.5	7.8	0.0	0.0	0.0	36.7	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	31.0
301	17561785.78	4927858.40	8.10	2	D	A	57.5	3.9	0.0	0.0	0.0	52.1	1.1	-1.5	0.0	0.0	0.0	0.0	14.8	-5.0
304	17561785.90	4927857.48	8.10	1	D	A	57.5	6.4	0.0	0.0	0.0	49.0	0.8	-0.3	0.0	0.0	0.0	0.0	4.8	9.6
309	17561786.02	4927856.65	2.10	0	D	A	57.5	7.8	0.0	0.0	0.0	35.6	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	32.2
312	17561786.84	4927850.69	2.10	0	D	A	57.5	7.8	0.0	0.0	0.0	36.2	0.2	-2.6	0.0	0.0	0.0	0.0	0.0	31.5
316	17561785.72	4927858.83	2.10	2	D	A	57.5	2.1	0.0	0.0	0.0	52.1	1.1	-1.2	0.0	0.0	0.0	0.0	14.7	-7.0
323	17561785.89	4927857.60	2.10	2	D	A	57.5	-0.7	0.0	0.0	0.0	52.1	1.1	-1.2	0.0	0.0	0.0	0.0	14.7	-9.7
354	17561785.90	4927857.48	2.10	1	D	A	57.5	6.4	0.0	0.0	0.0	49.0	0.8	-0.4	0.0	0.0	0.0	0.0	4.7	9.8
368	17561786.02	4927856.65	1.10	0	D	A	57.5	7.8	0.0	0.0	0.0	35.6	0.2	-2.6	0.0	0.0	0.0	0.0	0.0	32.2
402	17561786.84	4927850.69	1.10	0	D	A	57.5	7.8	0.0	0.0	0.0	36.2	0.2	-2.6	0.0	0.0	0.0	0.0	0.0	31.5
416	17561785.73	4927858.76	1.10	2	D	A	57.5	2.4	0.0	0.0	0.0	52.1	1.1	-1.1	0.0	0.0	0.0	0.0	14.2	-6.3
428	17561785.90	4927857.54	1.10	2	D	A	57.5	-1.3	0.0	0.0	0.0	52.1	1.1	-1.1	0.0	0.0	0.0	0.0	14.2	-10.0
431	17561785.90	4927857.48	1.10	1	D	A	57.5	6.4	0.0	0.0	0.0	49.0	0.8	-0.1	0.0	0.0	0.0	0.0	4.3	9.9
443	17561786.02	4927856.65	4.10	0	D	A	57.5	7.8	0.0	0.0	0.0	35.7	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	32.1
446	17561786.84	4927850.69	4.10	0	D	A	57.5	7.8	0.0	0.0	0.0	36.3	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	31.5
452	17561785.78	4927858.40	4.10	2	D	A	57.5	3.9	0.0	0.0	0.0	52.1	1.1	-1.5	0.0	0.0	0.0	0.0	14.8	-5.0
465	17561785.90	4927857.48	4.10	1	D	A	57.5	6.4	0.0	0.0	0.0	49.0	0.8	-0.3	0.0	0.0	0.0	0.0	4.8	9.7
471	17561786.02	4927856.65	3.10	0	D	A	57.5	7.8	0.0	0.0	0.0	35.6	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	32.2
491	17561786.84	4927850.69	3.10	0	D	A	57.5	7.8	0.0	0.0	0.0	36.2	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	31.5
496	17561785.78	4927858.40	3.10	2	D	A	57.5	3.9	0.0	0.0	0.0	52.1	1.1	-1.3	0.0	0.0	0.0	0.0	14.8	-5.1
506	17561785.90	4927857.48	3.10	1	D	A	57.5	6.4	0.0	0.0	0.0	49.0	0.8	-0.3	0.0	0.0	0.0	0.0	4.8	9.7
1200	17561784.64	4927866.53	7.10	0	D	A	57.5	9.1	0.0	0.0	0.0	37.1	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	32.0
1220	17561784.64	4927866.53	7.10	2	D	A	57.5	9.1	0.0	0.0	0.0	51.0	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	12.1
1229	17561784.64	4927866.53	7.10	1	D	A	57.5	9.1	0.0	0.0	0.0	47.5	0.7	0.1	0.0	0.0	0.0	0.0	2.0	16.3
1270	17561784.64	4927866.53	8.10	0	D	A	57.5	9.1	0.0	0.0	0.0	37.2	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	31.9
1287	17561784.64	4927866.53	8.10	2	D	A	57.5	9.1	0.0	0.0	0.0	51.0	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	12.1
1296	17561784.64	4927866.53	8.10	1	D	A	57.5	9.1	0.0	0.0	0.0	47.5	0.7	0.1	0.0	0.0	0.0	0.0	2.0	16.3
1337	17561784.64	4927866.53	6.10	0	D	A	57.5	9.1	0.0	0.0	0.0	36.9	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	32.1
1359	17561784.64	4927866.53	6.10	2	D	A	57.5	9.1	0.0	0.0	0.0	51.0	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	12.1
1370	17561784.64	4927866.53	6.10	1	D	A	57.5	9.1	0.0	0.0	0.0	47.4	0.7	0.1	0.0	0.0	0.0	0.0	2.0	16.3
1414	17561784.64	4927866.53	4.10	0	D	A	57.5	9.1	0.0	0.0	0.0	36.8	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	32.3
1437	17561784.64	4927866.53	4.10	2	D	A	57.5	9.1	0.0	0.0	0.0	51.0	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	12.1
1448	17561784.64	4927866.53	4.10	1	D	A	57.5	9.1	0.0	0.0	0.0	47.4	0.7	0.1	0.0	0.0	0.0	0.0	2.0	16.4
1493	17561784.64	4927866.53	5.10	0	D	A	57.5	9.1	0.0	0.0	0.0	36.9	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	32.2
1515	17561784.64	4927866.53	5.10	2	D	A	57.5	9.1	0.0	0.0	0.0	51.0	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	12.1

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
1526	17561784.64	4927866.53	5.10	1	D	A	57.5	9.1	0.0	0.0	0.0	47.4	0.7	0.1	0.0	0.0	0.0	0.0	2.0	16.4
1571	17561784.64	4927866.53	2.10	0	D	A	57.5	9.1	0.0	0.0	0.0	36.7	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	32.4
1582	17561785.16	4927862.65	2.10	1	D	A	57.5	-5.4	0.0	0.0	0.0	36.9	0.2	-2.7	0.0	0.0	26.8	0.0	2.0	-11.0
1594	17561784.64	4927866.53	2.10	2	D	A	57.5	9.1	0.0	0.0	0.0	51.0	1.0	-1.1	0.0	0.0	0.0	0.0	4.0	11.7
1605	17561784.64	4927866.53	2.10	1	D	A	57.5	9.1	0.0	0.0	0.0	47.4	0.7	0.2	0.0	0.0	0.0	0.0	2.0	16.3
1651	17561784.64	4927866.53	1.10	0	D	A	57.5	9.1	0.0	0.0	0.0	36.7	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	32.3
1662	17561785.16	4927862.65	1.10	1	D	A	57.5	-5.4	0.0	0.0	0.0	36.8	0.2	-2.7	0.0	0.0	26.7	0.0	2.0	-11.0
1673	17561784.64	4927866.53	1.10	2	D	A	57.5	9.1	0.0	0.0	0.0	51.0	1.0	-1.0	0.0	0.0	0.0	0.0	4.0	11.6
1684	17561784.64	4927866.53	1.10	1	D	A	57.5	9.1	0.0	0.0	0.0	47.4	0.7	0.1	0.0	0.0	0.0	0.0	2.0	16.4
1727	17561784.64	4927866.53	9.10	0	D	A	57.5	9.1	0.0	0.0	0.0	37.3	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	31.8
1739	17561785.16	4927862.65	9.10	1	D	A	57.5	-5.4	0.0	0.0	0.0	37.5	0.2	-2.7	0.0	0.0	26.1	0.0	2.0	-11.0
1750	17561784.64	4927866.53	9.10	2	D	A	57.5	9.1	0.0	0.0	0.0	51.0	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	12.1
1762	17561784.64	4927866.53	9.10	1	D	A	57.5	9.1	0.0	0.0	0.0	47.5	0.7	0.1	0.0	0.0	0.0	0.0	2.0	16.3
1806	17561784.64	4927866.53	3.10	0	D	A	57.5	9.1	0.0	0.0	0.0	36.7	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	32.4
1818	17561785.16	4927862.65	3.10	1	D	A	57.5	-5.4	0.0	0.0	0.0	36.9	0.2	-2.7	0.0	0.0	26.8	0.0	2.0	-11.1
1828	17561784.64	4927866.53	3.10	2	D	A	57.5	9.1	0.0	0.0	0.0	51.0	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	12.1
1839	17561784.64	4927866.53	3.10	1	D	A	57.5	9.1	0.0	0.0	0.0	47.4	0.7	0.2	0.0	0.0	0.0	0.0	2.0	16.4
1882	17561786.43	4927853.67	0.30	0	D	A	57.5	8.6	0.0	0.0	0.0	35.8	0.2	-2.8	0.0	0.0	0.0	0.0	0.0	32.9
1893	17561785.74	4927858.72	0.30	2	D	A	57.5	0.4	0.0	0.0	0.0	52.1	1.1	-2.7	0.0	0.0	0.0	0.0	14.8	-7.3
1915	17561785.90	4927857.48	0.30	1	D	A	57.5	4.1	0.0	0.0	0.0	49.0	0.8	-1.6	0.0	0.0	0.0	0.0	4.8	8.7
2199	17561784.64	4927866.53	0.30	0	D	A	57.5	6.9	0.0	0.0	0.0	36.7	0.2	-2.8	0.0	0.0	0.0	0.0	0.0	30.3
2222	17561784.64	4927866.53	0.30	2	D	A	57.5	6.9	0.0	0.0	0.0	51.0	1.0	-2.5	0.0	0.0	0.0	0.0	4.0	10.9
2233	17561784.64	4927866.53	0.30	1	D	A	57.5	6.9	0.0	0.0	0.0	47.4	0.7	-1.3	0.0	0.0	0.0	0.0	2.0	15.6
2280	17561788.74	4927836.69	3.10	0	D	A	57.5	9.1	0.0	0.0	0.0	39.6	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	29.3
2291	17561788.29	4927840.20	3.10	1	D	A	57.5	-0.1	0.0	0.0	0.0	39.2	0.3	-2.7	0.0	0.0	26.7	0.0	2.0	-8.1
2303	17561788.74	4927836.69	4.10	0	D	A	57.5	9.1	0.0	0.0	0.0	39.6	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	29.3
2314	17561788.29	4927840.20	4.10	1	D	A	57.5	-0.1	0.0	0.0	0.0	39.2	0.3	-2.7	0.0	0.0	26.7	0.0	2.0	-8.1
2325	17561788.74	4927836.69	1.10	0	D	A	57.5	9.1	0.0	0.0	0.0	39.6	0.3	-2.5	0.0	0.0	0.0	0.0	0.0	29.2
2336	17561788.29	4927840.20	1.10	1	D	A	57.5	-0.1	0.0	0.0	0.0	39.2	0.3	-2.6	0.0	0.0	26.7	0.0	2.0	-8.1
2348	17561788.74	4927836.69	2.10	0	D	A	57.5	9.1	0.0	0.0	0.0	39.6	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	29.3
2359	17561788.29	4927840.20	2.10	1	D	A	57.5	-0.1	0.0	0.0	0.0	39.2	0.3	-2.6	0.0	0.0	26.7	0.0	2.0	-8.1
2370	17561788.74	4927836.69	5.10	0	D	A	57.5	9.1	0.0	0.0	0.0	39.7	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	29.2
2381	17561788.29	4927840.20	5.10	1	D	A	57.5	-0.1	0.0	0.0	0.0	39.3	0.3	-2.7	0.0	0.0	26.7	0.0	2.0	-8.2
2393	17561788.74	4927836.69	8.10	0	D	A	57.5	9.1	0.0	0.0	0.0	39.8	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	29.1
2404	17561788.29	4927840.20	8.10	1	D	A	57.5	-0.1	0.0	0.0	0.0	39.5	0.3	-2.7	0.0	0.0	26.5	0.0	2.0	-8.2
2416	17561788.74	4927836.69	9.10	0	D	A	57.5	9.1	0.0	0.0	0.0	39.9	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	29.0
2427	17561788.29	4927840.20	9.10	1	D	A	57.5	-0.1	0.0	0.0	0.0	39.6	0.3	-2.7	0.0	0.0	25.9	0.0	2.0	-7.7
2439	17561788.74	4927836.69	6.10	0	D	A	57.5	9.1	0.0	0.0	0.0	39.7	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	29.2
2451	17561788.29	4927840.20	6.10	1	D	A	57.5	-0.1	0.0	0.0	0.0	39.3	0.3	-2.7	0.0	0.0	26.7	0.0	2.0	-8.2
2463	17561788.74	4927836.69	7.10	0	D	A	57.5	9.1	0.0	0.0	0.0	39.8	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	29.1
2474	17561788.29	4927840.20	7.10	1	D	A	57.5	-0.1	0.0	0.0	0.0	39.4	0.3	-2.7	0.0	0.0	26.7	0.0	2.0	-8.3
2881	17561784.46	4927860.93	3.10	0	D	A	57.5	4.6	0.0	0.0	0.0	36.3	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	28.3
2892	17561784.27	4927862.20	3.10	1	D	A	57.5	-5.4	0.0	0.0	0.0	36.5	0.2	-2.7	0.0	0.0	0.0	0.0	21.5	-3.3
2903	17561784.41	4927861.24	3.10	2	D	A	57.5	3.5	0.0	0.0	0.0	51.0	1.0	-1.4	0.0	0.0	0.0	0.0	4.0	6.4
2914	17561784.47	4927860.84	3.10	2	D	A	57.5	4.3	0.0	0.0	0.0	52.2	1.1	-1.4	0.0	0.0	0.0	0.0	14.8	-4.8
2925	17561784.38	4927861.50	3.10	1	D	A	57.5	2.3	0.0	0.0	0.0	47.5	0.7	0.2	0.0	0.0	0.0	0.0	2.0	9.5
2937	17561784.46	4927860.93	3.10	1	D	A	57.5	4.6	0.0	0.0	0.0	49.1	0.8	-0.5	0.0	0.0	0.0	0.0	4.8	7.9
2948	17561784.46	4927860.93	6.10	0	D	A	57.5	4.6	0.0	0.0	0.0	36.5	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	28.1
2959	17561784.27	4927862.20	6.10	1	D	A	57.5	-5.4	0.0	0.0	0.0	36.7	0.2	-2.7	0.0	0.0	0.0	0.0	21.6	-3.6
2970	17561784.41	4927861.24	6.10	2	D	A	57.5	3.5	0.0	0.0	0.0	51.0	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	6.4
2981	17561784.47	4927860.84	6.10	2	D	A	57.5	4.3	0.0	0.0	0.0	52.2	1.1	-1.5	0.0	0.0	0.0	0.0	14.8	-4.7
2992	17561784.38	4927861.50	6.10	1	D	A	57.5	2.3	0.0	0.0	0.0	47.5	0.7	0.1	0.0	0.0	0.0	0.0	2.0	9.5
3003	17561784.46	4927860.93	6.10	1	D	A	57.5	4.6	0.0	0.0	0.0	49.1	0.8	-0.5	0.0	0.0	0.0	0.0	4.8	7.9
3014	17561784.46	4927860.93	7.10	0	D	A	57.5	4.6	0.0	0.0	0.0	36.6	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	28.0
3025	17561784.27	4927862.20	7.10	1	D	A	57.5	-5.4	0.0	0.0	0.0	36.8	0.2	-2.7	0.0	0.0	0.0	0.0	21.6	-3.7
3036	17561784.41	4927861.24	7.10	2	D	A	57.5	3.5	0.0	0.0	0.0	51.1	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	6.4
3047	17561784.47	4927860.84	7.10	2	D	A	57.5	4.3	0.0	0.0	0.0	52.2	1.1	-1.5	0.0	0.0	0.0	0.0	14.8	-4.7
3058	17561784.38	4927861.50	7.10	1	D	A	57.5	2.3	0.0	0.0	0.0	47.5	0.7	0.1	0.0	0.0	0.0	0.0	2.0	9.5
3069	17561784.46	4927860.93	7.10	1	D	A	57.5	4.6	0.0	0.0	0.0	49.1	0.8	-0.6	0.0	0.0	0.0	0.0	4.8	7.9
3080	17561784.46	4927860.93	4.10	0	D	A	57.5	4.6	0.0	0.0	0.0	36.3	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	28.3
3091	17561784.27	4927862.20	4.10	1	D	A	57.5	-5.4	0.0	0.0	0.0	36.5	0.2	-2.7	0.0	0.0	0.0	0.0	21.5	-3.4
3102	17561784.41	4927861.24	4.10	2	D	A	57.5	3.5	0.0	0.0	0.0	51.0	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	6.5
3113	17561784.47	4927860.84	4.10	2	D	A	57.5	4.3	0.0	0.0	0.0	52.2	1.1	-1.5	0.0	0.0	0.0	0.0	14.8	-4.7

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB(A))
3124	17561784.38	4927861.50	4.10	1	D	A	57.5	2.3	0.0	0.0	0.0	47.5	0.7	0.1	0.0	0.0	0.0	0.0	2.0	9.5
3135	17561784.46	4927860.93	4.10	1	D	A	57.5	4.6	0.0	0.0	0.0	49.1	0.8	-0.5	0.0	0.0	0.0	0.0	4.8	7.9
3147	17561784.46	4927860.93	5.10	0	D	A	57.5	4.6	0.0	0.0	0.0	36.4	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	28.2
3159	17561784.27	4927862.20	5.10	1	D	A	57.5	-5.4	0.0	0.0	0.0	36.6	0.2	-2.7	0.0	0.0	0.0	0.0	21.5	-3.5
3170	17561784.41	4927861.24	5.10	2	D	A	57.5	3.5	0.0	0.0	0.0	51.0	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	6.4
3181	17561784.47	4927860.84	5.10	2	D	A	57.5	4.3	0.0	0.0	0.0	52.2	1.1	-1.5	0.0	0.0	0.0	0.0	14.8	-4.7
3192	17561784.38	4927861.50	5.10	1	D	A	57.5	2.3	0.0	0.0	0.0	47.5	0.7	0.1	0.0	0.0	0.0	0.0	2.0	9.5
3202	17561784.46	4927860.93	5.10	1	D	A	57.5	4.6	0.0	0.0	0.0	49.1	0.8	-0.5	0.0	0.0	0.0	0.0	4.8	7.9
3212	17561784.46	4927860.93	1.10	0	D	A	57.5	4.6	0.0	0.0	0.0	36.2	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	28.3
3223	17561784.27	4927862.20	1.10	1	D	A	57.5	-5.4	0.0	0.0	0.0	36.4	0.2	-2.7	0.0	0.0	0.0	0.0	21.5	-3.3
3235	17561784.41	4927861.24	1.10	2	D	A	57.5	3.5	0.0	0.0	0.0	51.0	1.0	-1.0	0.0	0.0	0.0	0.0	4.0	6.0
3245	17561784.47	4927860.84	1.10	2	D	A	57.5	4.3	0.0	0.0	0.0	52.2	1.1	-1.3	0.0	0.0	0.0	0.0	14.2	-4.4
3256	17561784.38	4927861.50	1.10	1	D	A	57.5	2.3	0.0	0.0	0.0	47.5	0.7	0.1	0.0	0.0	0.0	0.0	2.0	9.6
3267	17561784.46	4927860.93	1.10	1	D	A	57.5	4.6	0.0	0.0	0.0	49.1	0.8	-0.3	0.0	0.0	0.0	0.0	4.4	8.1
3278	17561784.46	4927860.93	2.10	0	D	A	57.5	4.6	0.0	0.0	0.0	36.2	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	28.4
3289	17561784.27	4927862.20	2.10	1	D	A	57.5	-5.4	0.0	0.0	0.0	36.4	0.2	-2.7	0.0	0.0	0.0	0.0	21.5	-3.3
3300	17561784.41	4927861.24	2.10	2	D	A	57.5	3.5	0.0	0.0	0.0	51.0	1.0	-1.0	0.0	0.0	0.0	0.0	4.0	6.0
3311	17561784.47	4927860.84	2.10	2	D	A	57.5	4.3	0.0	0.0	0.0	52.2	1.1	-1.3	0.0	0.0	0.0	0.0	14.7	-4.8
3322	17561784.38	4927861.50	2.10	1	D	A	57.5	2.3	0.0	0.0	0.0	47.5	0.7	0.2	0.0	0.0	0.0	0.0	2.0	9.5
3333	17561784.46	4927860.93	2.10	1	D	A	57.5	4.6	0.0	0.0	0.0	49.1	0.8	-0.6	0.0	0.0	0.0	0.0	4.7	8.1
3345	17561784.46	4927860.93	8.10	0	D	A	57.5	4.6	0.0	0.0	0.0	36.8	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	27.8
3356	17561784.27	4927862.20	8.10	1	D	A	57.5	-5.4	0.0	0.0	0.0	36.9	0.2	-2.7	0.0	0.0	0.0	0.0	21.6	-3.9
3367	17561784.41	4927861.24	8.10	2	D	A	57.5	3.5	0.0	0.0	0.0	51.1	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	6.4
3378	17561784.47	4927860.84	8.10	2	D	A	57.5	4.3	0.0	0.0	0.0	52.2	1.1	-1.5	0.0	0.0	0.0	0.0	14.8	-4.7
3389	17561784.38	4927861.50	8.10	1	D	A	57.5	2.3	0.0	0.0	0.0	47.5	0.7	0.1	0.0	0.0	0.0	0.0	2.0	9.5
3400	17561784.46	4927860.93	8.10	1	D	A	57.5	4.6	0.0	0.0	0.0	49.1	0.8	-0.6	0.0	0.0	0.0	0.0	4.8	7.9
3411	17561784.46	4927860.93	9.10	0	D	A	57.5	4.6	0.0	0.0	0.0	36.9	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	27.7
3422	17561784.27	4927862.20	9.10	1	D	A	57.5	-5.4	0.0	0.0	0.0	37.1	0.2	-2.7	0.0	0.0	0.0	0.0	21.7	-4.1
3433	17561784.41	4927861.24	9.10	2	D	A	57.5	3.5	0.0	0.0	0.0	51.1	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	6.4
3444	17561784.47	4927860.84	9.10	2	D	A	57.5	4.3	0.0	0.0	0.0	52.2	1.1	-1.5	0.0	0.0	0.0	0.0	14.8	-4.7
3455	17561784.38	4927861.50	9.10	1	D	A	57.5	2.3	0.0	0.0	0.0	47.5	0.7	0.1	0.0	0.0	0.0	0.0	2.0	9.5
3466	17561784.46	4927860.93	9.10	1	D	A	57.5	4.6	0.0	0.0	0.0	49.1	0.8	-0.6	0.0	0.0	0.0	0.0	4.8	7.9
3478	17561788.74	4927836.69	0.30	0	D	A	57.5	6.8	0.0	0.0	0.0	39.6	0.3	-2.8	0.0	0.0	0.0	0.0	0.0	27.3
3489	17561788.29	4927840.20	0.30	1	D	A	57.5	-2.3	0.0	0.0	0.0	39.2	0.3	-2.8	0.0	0.0	26.9	0.0	2.0	-10.3
3500	17561782.93	4927872.41	3.10	0	D	A	57.5	6.0	0.0	0.0	0.0	38.4	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	27.6
3511	17561783.06	4927871.42	3.10	2	D	A	57.5	3.0	0.0	0.0	0.0	51.1	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	5.9
3522	17561782.93	4927872.41	3.10	1	D	A	57.5	6.0	0.0	0.0	0.0	47.7	0.7	0.2	0.0	0.0	0.0	0.0	2.0	13.0
3533	17561782.93	4927872.41	4.10	0	D	A	57.5	6.0	0.0	0.0	0.0	38.5	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	27.6
3544	17561783.06	4927871.42	4.10	2	D	A	57.5	3.0	0.0	0.0	0.0	51.1	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	6.0
3556	17561782.93	4927872.41	4.10	1	D	A	57.5	6.0	0.0	0.0	0.0	47.7	0.7	0.2	0.0	0.0	0.0	0.0	2.0	13.0
3567	17561782.93	4927872.41	1.10	0	D	A	57.5	6.0	0.0	0.0	0.0	38.4	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	27.6
3578	17561783.06	4927871.42	1.10	2	D	A	57.5	3.0	0.0	0.0	0.0	51.1	1.0	-1.0	0.0	0.0	0.0	0.0	4.0	5.5
3589	17561782.93	4927872.41	1.10	1	D	A	57.5	6.0	0.0	0.0	0.0	47.7	0.7	0.2	0.0	0.0	0.0	0.0	2.0	13.0
3600	17561782.93	4927872.41	2.10	0	D	A	57.5	6.0	0.0	0.0	0.0	38.4	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	27.6
3612	17561783.06	4927871.42	2.10	2	D	A	57.5	3.0	0.0	0.0	0.0	51.1	1.0	-1.1	0.0	0.0	0.0	0.0	4.0	5.5
3622	17561782.93	4927872.41	2.10	1	D	A	57.5	6.0	0.0	0.0	0.0	47.7	0.7	0.2	0.0	0.0	0.0	0.0	2.0	13.0
3633	17561782.93	4927872.41	5.10	0	D	A	57.5	6.0	0.0	0.0	0.0	38.5	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	27.5
3644	17561783.06	4927871.42	5.10	2	D	A	57.5	3.0	0.0	0.0	0.0	51.1	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	5.9
3654	17561782.93	4927872.41	5.10	1	D	A	57.5	6.0	0.0	0.0	0.0	47.7	0.7	0.2	0.0	0.0	0.0	0.0	2.0	13.0
3665	17561782.93	4927872.41	8.10	0	D	A	57.5	6.0	0.0	0.0	0.0	38.7	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	27.3
3676	17561783.06	4927871.42	8.10	2	D	A	57.5	3.0	0.0	0.0	0.0	51.2	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	5.9
3686	17561782.93	4927872.41	8.10	1	D	A	57.5	6.0	0.0	0.0	0.0	47.7	0.7	0.2	0.0	0.0	0.0	0.0	2.0	13.0
3697	17561782.93	4927872.41	9.10	0	D	A	57.5	6.0	0.0	0.0	0.0	38.9	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	27.2
3708	17561783.06	4927871.42	9.10	2	D	A	57.5	3.0	0.0	0.0	0.0	51.2	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	5.9
3720	17561782.93	4927872.41	9.10	1	D	A	57.5	6.0	0.0	0.0	0.0	47.7	0.7	0.2	0.0	0.0	0.0	0.0	2.0	13.0
3731	17561782.93	4927872.41	6.10	0	D	A	57.5	6.0	0.0	0.0	0.0	38.6	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	27.4
3742	17561783.06	4927871.42	6.10	2	D	A	57.5	3.0	0.0	0.0	0.0	51.1	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	5.9
3753	17561782.93	4927872.41	6.10	1	D	A	57.5	6.0	0.0	0.0	0.0	47.7	0.7	0.2	0.0	0.0	0.0	0.0	2.0	13.0
3764	17561782.93	4927872.41	7.10	0	D	A	57.5	6.0	0.0	0.0	0.0	38.7	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	27.4
3775	17561783.06	4927871.42	7.10	2	D	A	57.5	3.0	0.0	0.0	0.0	51.2	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	5.9
3787	17561782.93	4927872.41	7.10	1	D	A	57.5	6.0	0.0	0.0	0.0	47.7	0.7	0.2	0.0	0.0	0.0	0.0	2.0	13.0
3798	17561785.15	4927845.60	4.10	0	D	A	57.5	5.6	0.0	0.0	0.0	38.1	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	27.4
3809	17561785.34	4927844.28	4.10	1	D	A	57.5	-0.3	0.0	0.0	0.0	38.6	0.3	-2.7	0.0	0.0	0.0	0.0	2.5	18.6

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
3820	17561785.15	4927845.60	5.10	0	D	A	57.5	5.6	0.0	0.0	0.0	38.2	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	27.4
3831	17561785.34	4927844.28	5.10	1	D	A	57.5	-0.3	0.0	0.0	0.0	38.6	0.3	-2.7	0.0	0.0	0.0	0.0	2.5	18.5
3842	17561785.15	4927845.60	6.10	0	D	A	57.5	5.6	0.0	0.0	0.0	38.2	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	27.3
3852	17561785.34	4927844.28	6.10	1	D	A	57.5	-0.3	0.0	0.0	0.0	38.7	0.3	-2.7	0.0	0.0	0.0	0.0	2.5	18.5
3863	17561785.15	4927845.60	1.10	0	D	A	57.5	5.6	0.0	0.0	0.0	38.0	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	27.4
3874	17561785.34	4927844.28	1.10	1	D	A	57.5	-0.3	0.0	0.0	0.0	38.5	0.3	-2.6	0.0	0.0	0.0	0.0	2.5	18.6
3886	17561785.15	4927845.60	2.10	0	D	A	57.5	5.6	0.0	0.0	0.0	38.0	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	27.5
3897	17561785.34	4927844.28	2.10	1	D	A	57.5	-0.3	0.0	0.0	0.0	38.5	0.3	-2.7	0.0	0.0	0.0	0.0	2.5	18.6
3908	17561785.15	4927845.60	3.10	0	D	A	57.5	5.6	0.0	0.0	0.0	38.1	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	27.5
3919	17561785.34	4927844.28	3.10	1	D	A	57.5	-0.3	0.0	0.0	0.0	38.5	0.3	-2.7	0.0	0.0	0.0	0.0	2.5	18.6
3931	17561785.15	4927845.60	9.10	0	D	A	57.5	5.6	0.0	0.0	0.0	38.5	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	27.0
3942	17561785.34	4927844.28	9.10	1	D	A	57.5	-0.3	0.0	0.0	0.0	38.9	0.3	-2.7	0.0	0.0	0.0	0.0	2.5	18.2
3953	17561785.15	4927845.60	8.10	0	D	A	57.5	5.6	0.0	0.0	0.0	38.4	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	27.1
3964	17561785.34	4927844.28	8.10	1	D	A	57.5	-0.3	0.0	0.0	0.0	38.8	0.3	-2.7	0.0	0.0	0.0	0.0	2.5	18.3
3975	17561785.15	4927845.60	7.10	0	D	A	57.5	5.6	0.0	0.0	0.0	38.3	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	27.2
3986	17561785.34	4927844.28	7.10	1	D	A	57.5	-0.3	0.0	0.0	0.0	38.7	0.3	-2.7	0.0	0.0	0.0	0.0	2.5	18.4
3997	17561787.00	4927842.31	3.10	0	D	A	57.5	5.4	0.0	0.0	0.0	38.4	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	26.9
4007	17561786.83	4927843.54	3.10	1	D	A	57.5	-0.0	0.0	0.0	0.0	38.9	0.3	-2.7	0.0	0.0	27.6	0.0	2.0	-8.6
4019	17561787.18	4927841.03	3.10	1	D	A	57.5	-0.4	0.0	0.0	0.0	39.0	0.3	-2.6	0.0	0.0	0.0	0.0	4.9	15.6
4030	17561787.00	4927842.31	4.10	0	D	A	57.5	5.4	0.0	0.0	0.0	38.4	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	26.9
4040	17561786.83	4927843.54	4.10	1	D	A	57.5	-0.0	0.0	0.0	0.0	39.0	0.3	-2.7	0.0	0.0	27.6	0.0	2.0	-8.6
4051	17561787.18	4927841.03	4.10	1	D	A	57.5	-0.4	0.0	0.0	0.0	39.0	0.3	-2.6	0.0	0.0	0.0	0.0	4.9	15.6
4062	17561787.00	4927842.31	1.10	0	D	A	57.5	5.4	0.0	0.0	0.0	38.4	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	26.9
4074	17561786.83	4927843.54	1.10	1	D	A	57.5	-0.0	0.0	0.0	0.0	38.9	0.3	-2.6	0.0	0.0	27.6	0.0	2.0	-8.6
4085	17561787.18	4927841.03	1.10	1	D	A	57.5	-0.4	0.0	0.0	0.0	38.9	0.3	-2.6	0.0	0.0	0.0	0.0	4.8	15.7
4097	17561787.00	4927842.31	2.10	0	D	A	57.5	5.4	0.0	0.0	0.0	38.4	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	26.9
4108	17561786.83	4927843.54	2.10	1	D	A	57.5	-0.0	0.0	0.0	0.0	38.9	0.3	-2.7	0.0	0.0	27.6	0.0	2.0	-8.6
4118	17561787.18	4927841.03	2.10	1	D	A	57.5	-0.4	0.0	0.0	0.0	38.9	0.3	-2.6	0.0	0.0	0.0	0.0	4.8	15.7
4129	17561787.00	4927842.31	5.10	0	D	A	57.5	5.4	0.0	0.0	0.0	38.5	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	26.8
4140	17561786.83	4927843.54	5.10	1	D	A	57.5	-0.0	0.0	0.0	0.0	39.0	0.3	-2.7	0.0	0.0	27.5	0.0	2.0	-8.6
4150	17561787.18	4927841.03	5.10	1	D	A	57.5	-0.4	0.0	0.0	0.0	39.0	0.3	-2.6	0.0	0.0	0.0	0.0	4.9	15.6
4161	17561787.00	4927842.31	7.10	0	D	A	57.5	5.4	0.0	0.0	0.0	38.6	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	26.7
4172	17561786.83	4927843.54	7.10	1	D	A	57.5	-0.0	0.0	0.0	0.0	39.1	0.3	-2.7	0.0	0.0	27.3	0.0	2.0	-8.5
4182	17561787.18	4927841.03	7.10	1	D	A	57.5	-0.4	0.0	0.0	0.0	39.2	0.3	-2.6	0.0	0.0	0.0	0.0	4.9	15.4
4193	17561787.00	4927842.31	6.10	0	D	A	57.5	5.4	0.0	0.0	0.0	38.6	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	26.8
4204	17561786.83	4927843.54	6.10	1	D	A	57.5	-0.0	0.0	0.0	0.0	39.1	0.3	-2.7	0.0	0.0	27.4	0.0	2.0	-8.6
4215	17561787.18	4927841.03	6.10	1	D	A	57.5	-0.4	0.0	0.0	0.0	39.1	0.3	-2.6	0.0	0.0	0.0	0.0	4.9	15.5
4226	17561787.00	4927842.31	9.10	0	D	A	57.5	5.4	0.0	0.0	0.0	38.8	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	26.5
4237	17561786.83	4927843.54	9.10	1	D	A	57.5	-0.0	0.0	0.0	0.0	39.3	0.3	-2.7	0.0	0.0	26.1	0.0	2.0	-7.5
4248	17561787.18	4927841.03	9.10	1	D	A	57.5	-0.4	0.0	0.0	0.0	39.3	0.3	-2.6	0.0	0.0	0.0	0.0	4.9	15.3
4259	17561787.00	4927842.31	8.10	0	D	A	57.5	5.4	0.0	0.0	0.0	38.7	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	26.6
4270	17561786.83	4927843.54	8.10	1	D	A	57.5	-0.0	0.0	0.0	0.0	39.2	0.3	-2.7	0.0	0.0	27.0	0.0	2.0	-8.3
4282	17561787.18	4927841.03	8.10	1	D	A	57.5	-0.4	0.0	0.0	0.0	39.2	0.3	-2.6	0.0	0.0	0.0	0.0	4.9	15.4
4691	17561786.07	4927847.55	8.10	0	D	A	57.5	3.8	0.0	0.0	0.0	37.7	0.2	-2.7	0.0	0.0	11.0	0.0	0.0	15.0
4701	17561786.07	4927847.55	9.10	0	D	A	57.5	3.8	0.0	0.0	0.0	37.8	0.2	-2.7	0.0	0.0	11.0	0.0	0.0	14.9
4712	17561786.07	4927847.55	7.10	0	D	A	57.5	3.8	0.0	0.0	0.0	37.6	0.2	-2.7	0.0	0.0	11.1	0.0	0.0	15.1
4723	17561786.07	4927847.55	5.10	0	D	A	57.5	3.8	0.0	0.0	0.0	37.4	0.2	-2.7	0.0	0.0	11.1	0.0	0.0	15.2
4733	17561786.07	4927847.55	6.10	0	D	A	57.5	3.8	0.0	0.0	0.0	37.5	0.2	-2.7	0.0	0.0	11.1	0.0	0.0	15.2
4744	17561786.07	4927847.55	2.10	0	D	A	57.5	3.8	0.0	0.0	0.0	37.3	0.2	-2.7	0.0	0.0	11.2	0.0	0.0	15.3
4755	17561786.07	4927847.55	1.10	0	D	A	57.5	3.8	0.0	0.0	0.0	37.3	0.2	-2.6	0.0	0.0	11.2	0.0	0.0	15.2
4766	17561786.07	4927847.55	4.10	0	D	A	57.5	3.8	0.0	0.0	0.0	37.3	0.2	-2.7	0.0	0.0	11.1	0.0	0.0	15.2
4777	17561786.07	4927847.55	3.10	0	D	A	57.5	3.8	0.0	0.0	0.0	37.3	0.2	-2.7	0.0	0.0	11.2	0.0	0.0	15.3
4946	17561784.46	4927860.93	0.30	0	D	A	57.5	2.4	0.0	0.0	0.0	36.3	0.2	-2.8	0.0	0.0	0.0	0.0	0.0	26.3
4956	17561784.27	4927862.20	0.30	1	D	A	57.5	-7.6	0.0	0.0	0.0	36.4	0.2	-2.8	0.0	0.0	0.0	0.0	21.5	-5.4
4965	17561784.41	4927861.24	0.30	2	D	A	57.5	1.3	0.0	0.0	0.0	51.0	1.0	-2.5	0.0	0.0	0.0	0.0	4.0	5.3
4974	17561784.47	4927860.84	0.30	2	D	A	57.5	2.1	0.0	0.0	0.0	52.2	1.1	-2.8	0.0	0.0	0.0	0.0	14.8	-5.7
4984	17561784.38	4927861.50	0.30	1	D	A	57.5	0.1	0.0	0.0	0.0	47.5	0.7	-1.3	0.0	0.0	0.0	0.0	2.0	8.8
4995	17561784.46	4927860.93	0.30	1	D	A	57.5	2.4	0.0	0.0	0.0	49.1	0.8	-1.8	0.0	0.0	0.0	0.0	4.8	6.9
5114	17561782.93	4927872.41	0.30	0	D	A	57.5	3.8	0.0	0.0	0.0	38.4	0.3	-2.8	0.0	0.0	0.0	0.0	0.0	25.5
5123	17561783.06	4927871.42	0.30	2	D	A	57.5	0.8	0.0	0.0	0.0	51.1	1.0	-2.6	0.0	0.0	0.0	0.0	4.0	4.8
5133	17561782.93	4927872.41	0.30	1	D	A	57.5	3.8	0.0	0.0	0.0	47.7	0.7	-1.3	0.0	0.0	0.0	0.0	2.0	12.2
5142	17561785.15	4927845.60	0.30	0	D	A	57.5	3.4	0.0	0.0	0.0	38.1	0.3	-2.8	0.0	0.0	0.0	0.0	0.0	25.4
5151	17561785.34	4927844.28	0.30	1	D	A	57.5	-2.5	0.0	0.0	0.0	38.5	0.3	-2.8	0.0	0.0	0.0	0.0	2.5	16.6

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
5161	17561788.60	4927830.59	5.10	0	D	A	57.5	6.0	0.0	0.0	0.0	41.2	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	24.6
5170	17561788.88	4927828.60	5.10	0	D	A	57.5	-14.1	0.0	0.0	0.0	41.7	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	4.1
5179	17561788.60	4927830.59	6.10	0	D	A	57.5	6.0	0.0	0.0	0.0	41.3	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	24.6
5188	17561788.88	4927828.60	6.10	0	D	A	57.5	-14.1	0.0	0.0	0.0	41.7	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	4.1
5198	17561788.60	4927830.59	7.10	0	D	A	57.5	6.0	0.0	0.0	0.0	41.3	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	24.5
5207	17561788.88	4927828.60	7.10	0	D	A	57.5	-14.1	0.0	0.0	0.0	41.7	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	4.0
5216	17561788.60	4927830.59	4.10	0	D	A	57.5	6.0	0.0	0.0	0.0	41.2	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	24.6
5225	17561788.88	4927828.60	4.10	0	D	A	57.5	-14.1	0.0	0.0	0.0	41.7	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	4.1
5235	17561788.60	4927830.59	1.10	0	D	A	57.5	6.0	0.0	0.0	0.0	41.2	0.4	-2.6	0.0	0.0	0.0	0.0	0.0	24.6
5244	17561788.88	4927828.60	1.10	0	D	A	57.5	-14.1	0.0	0.0	0.0	41.6	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	4.2
5253	17561788.60	4927830.59	2.10	0	D	A	57.5	6.0	0.0	0.0	0.0	41.2	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	24.6
5262	17561788.88	4927828.60	2.10	0	D	A	57.5	-14.1	0.0	0.0	0.0	41.6	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	4.2
5271	17561788.60	4927830.59	3.10	0	D	A	57.5	6.0	0.0	0.0	0.0	41.2	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	24.6
5280	17561788.88	4927828.60	3.10	0	D	A	57.5	-14.1	0.0	0.0	0.0	41.6	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	4.2
5289	17561788.60	4927830.59	9.10	0	D	A	57.5	6.0	0.0	0.0	0.0	41.4	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	24.4
5298	17561788.88	4927828.60	9.10	0	D	A	57.5	-14.1	0.0	0.0	0.0	41.8	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	3.9
5307	17561788.60	4927830.59	8.10	0	D	A	57.5	6.0	0.0	0.0	0.0	41.4	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	24.5
5316	17561788.88	4927828.60	8.10	0	D	A	57.5	-14.1	0.0	0.0	0.0	41.8	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	4.0
5326	17561787.00	4927842.31	0.30	0	D	A	57.5	3.2	0.0	0.0	0.0	38.4	0.3	-2.8	0.0	0.0	0.0	0.0	0.0	24.9
5335	17561786.83	4927843.54	0.30	1	D	A	57.5	-2.3	0.0	0.0	0.0	38.9	0.3	-2.8	0.0	0.0	27.8	0.0	2.0	-10.9
5344	17561787.18	4927841.03	0.30	1	D	A	57.5	-2.6	0.0	0.0	0.0	38.9	0.3	-2.8	0.0	0.0	0.0	0.0	4.9	13.6
5390	17561786.07	4927847.55	0.30	0	D	A	57.5	1.5	0.0	0.0	0.0	37.3	0.2	-2.8	0.0	0.0	11.2	0.0	0.0	13.2
5426	17561785.14	4927859.57	3.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	35.9	0.2	-2.7	0.0	0.0	4.9	0.0	0.0	19.0
5444	17561785.14	4927859.57	3.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	49.0	0.8	-0.3	0.0	0.0	0.0	0.0	4.8	3.0
5464	17561785.14	4927859.57	2.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	35.9	0.2	-2.7	0.0	0.0	4.9	0.0	0.0	19.0
5482	17561785.14	4927859.57	2.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	49.0	0.8	-0.4	0.0	0.0	0.0	0.0	4.7	3.1
5499	17561785.14	4927859.57	1.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	35.9	0.2	-2.6	0.0	0.0	4.9	0.0	0.0	19.0
5517	17561785.14	4927859.57	1.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	49.0	0.8	-0.1	0.0	0.0	0.0	0.0	4.3	3.3
5535	17561785.14	4927859.57	9.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.6	0.2	-2.7	0.0	0.0	4.9	0.0	0.0	18.3
5553	17561785.14	4927859.57	9.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	49.1	0.8	-0.3	0.0	0.0	0.0	0.0	4.8	3.0
5567	17561785.14	4927859.57	6.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.2	0.2	-2.7	0.0	0.0	4.9	0.0	0.0	18.8
5582	17561785.14	4927859.57	6.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	49.1	0.8	-0.3	0.0	0.0	0.0	0.0	4.8	3.0
5598	17561785.14	4927859.57	5.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.1	0.2	-2.7	0.0	0.0	4.9	0.0	0.0	18.9
5614	17561785.14	4927859.57	5.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	49.0	0.8	-0.3	0.0	0.0	0.0	0.0	4.8	3.0
5631	17561785.14	4927859.57	4.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.0	0.2	-2.7	0.0	0.0	4.9	0.0	0.0	19.0
5647	17561785.14	4927859.57	4.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	49.0	0.8	-0.3	0.0	0.0	0.0	0.0	4.8	3.0
5663	17561785.14	4927859.57	8.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.5	0.2	-2.7	0.0	0.0	4.9	0.0	0.0	18.5
5679	17561785.14	4927859.57	8.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	49.1	0.8	-0.3	0.0	0.0	0.0	0.0	4.8	3.0
5695	17561785.14	4927859.57	7.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.3	0.2	-2.7	0.0	0.0	4.9	0.0	0.0	18.6
5711	17561785.14	4927859.57	7.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	49.1	0.8	-0.3	0.0	0.0	0.0	0.0	4.8	3.0
5743	17561784.72	4927862.43	5.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.4	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	23.4
5750	17561784.72	4927862.43	5.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	36.8	0.2	-2.7	0.0	0.0	0.0	0.0	2.0	21.0
5757	17561784.72	4927862.43	5.10	2	D	A	57.5	-0.2	0.0	0.0	0.0	51.0	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	2.8
5764	17561784.72	4927862.43	5.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	47.4	0.7	0.1	0.0	0.0	0.0	0.0	2.0	7.0
5771	17561784.72	4927862.43	5.10	2	D	A	57.5	-0.2	0.0	0.0	0.0	47.6	0.7	0.1	0.0	0.0	0.0	0.0	4.0	4.9
5792	17561784.72	4927862.43	6.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.5	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	23.3
5800	17561784.72	4927862.43	6.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	36.9	0.2	-2.7	0.0	0.0	0.0	0.0	2.0	20.9
5807	17561784.72	4927862.43	6.10	2	D	A	57.5	-0.2	0.0	0.0	0.0	51.0	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	2.8
5814	17561784.72	4927862.43	6.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	47.4	0.7	0.1	0.0	0.0	0.0	0.0	2.0	7.0
5821	17561784.72	4927862.43	6.10	2	D	A	57.5	-0.2	0.0	0.0	0.0	47.6	0.7	0.1	0.0	0.0	0.0	0.0	4.0	4.9
5841	17561784.72	4927862.43	7.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.6	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	23.2
5848	17561784.72	4927862.43	7.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	37.0	0.2	-2.7	0.0	0.0	0.0	0.0	2.0	20.8
5855	17561784.72	4927862.43	7.10	2	D	A	57.5	-0.2	0.0	0.0	0.0	51.0	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	2.8
5862	17561784.72	4927862.43	7.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	47.5	0.7	0.1	0.0	0.0	0.0	0.0	2.0	7.0
5869	17561784.72	4927862.43	7.10	2	D	A	57.5	-0.2	0.0	0.0	0.0	47.6	0.7	0.1	0.0	0.0	0.0	0.0	4.0	4.9
5890	17561784.72	4927862.43	4.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.3	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	23.5
5897	17561784.72	4927862.43	4.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	36.7	0.2	-2.7	0.0	0.0	0.0	0.0	2.0	21.1
5904	17561784.72	4927862.43	4.10	2	D	A	57.5	-0.2	0.0	0.0	0.0	51.0	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	2.8
5912	17561784.72	4927862.43	4.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	47.4	0.7	0.1	0.0	0.0	0.0	0.0	2.0	7.0
5920	17561784.72	4927862.43	4.10	2	D	A	57.5	-0.2	0.0	0.0	0.0	47.6	0.7	0.1	0.0	0.0	0.0	0.0	4.0	4.9
5940	17561784.72	4927862.43	1.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.2	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	23.6
5947	17561784.72	4927862.43	1.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	36.6	0.2	-2.7	0.0	0.0	0.0	0.0	2.0	21.1
5954	17561784.72	4927862.43	1.10	2	D	A	57.5	-0.2	0.0	0.0	0.0	51.0	1.0	-1.0	0.0	0.0	0.0	0.0	4.0	2.3

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB(A))
5960	17561784.72	4927862.43	1.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	47.4	0.7	0.1	0.0	0.0	0.0	0.0	2.0	7.0
5966	17561784.72	4927862.43	1.10	2	D	A	57.5	-0.2	0.0	0.0	0.0	47.5	0.7	0.1	0.0	0.0	0.0	0.0	4.0	5.0
5984	17561784.72	4927862.43	2.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.2	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	23.6
5991	17561784.72	4927862.43	2.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	36.6	0.2	-2.7	0.0	0.0	0.0	0.0	2.0	21.2
5997	17561784.72	4927862.43	2.10	2	D	A	57.5	-0.2	0.0	0.0	0.0	51.0	1.0	-1.0	0.0	0.0	0.0	0.0	4.0	2.3
6003	17561784.72	4927862.43	2.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	47.4	0.7	0.2	0.0	0.0	0.0	0.0	2.0	7.0
6009	17561784.72	4927862.43	2.10	2	D	A	57.5	-0.2	0.0	0.0	0.0	47.5	0.7	0.2	0.0	0.0	0.0	0.0	4.0	4.9
6027	17561784.72	4927862.43	3.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.2	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	23.6
6032	17561784.72	4927862.43	3.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	36.7	0.2	-2.7	0.0	0.0	0.0	0.0	2.0	21.1
6038	17561784.72	4927862.43	3.10	2	D	A	57.5	-0.2	0.0	0.0	0.0	51.0	1.0	-1.4	0.0	0.0	0.0	0.0	4.0	2.7
6044	17561784.72	4927862.43	3.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	47.4	0.7	0.2	0.0	0.0	0.0	0.0	2.0	7.0
6051	17561784.72	4927862.43	3.10	2	D	A	57.5	-0.2	0.0	0.0	0.0	47.5	0.7	0.1	0.0	0.0	0.0	0.0	4.0	4.9
6070	17561784.72	4927862.43	9.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.9	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	22.9
6075	17561784.72	4927862.43	9.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	37.3	0.2	-2.7	0.0	0.0	0.0	0.0	2.0	20.5
6082	17561784.72	4927862.43	9.10	2	D	A	57.5	-0.2	0.0	0.0	0.0	51.0	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	2.7
6088	17561784.72	4927862.43	9.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	47.5	0.7	0.1	0.0	0.0	0.0	0.0	2.0	7.0
6094	17561784.72	4927862.43	9.10	2	D	A	57.5	-0.2	0.0	0.0	0.0	47.6	0.7	0.1	0.0	0.0	0.0	0.0	4.0	4.9
6101	17561784.72	4927862.43	9.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	49.1	0.8	-0.6	0.0	0.0	11.1	0.0	7.2	-10.4
6113	17561784.72	4927862.43	8.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.7	0.2	-2.7	0.0	0.0	0.0	0.0	0.0	23.0
6119	17561784.72	4927862.43	8.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	37.1	0.2	-2.7	0.0	0.0	0.0	0.0	2.0	20.7
6125	17561784.72	4927862.43	8.10	2	D	A	57.5	-0.2	0.0	0.0	0.0	51.0	1.0	-1.5	0.0	0.0	0.0	0.0	4.0	2.8
6131	17561784.72	4927862.43	8.10	1	D	A	57.5	-0.2	0.0	0.0	0.0	47.5	0.7	0.1	0.0	0.0	0.0	0.0	2.0	7.0
6137	17561784.72	4927862.43	8.10	2	D	A	57.5	-0.2	0.0	0.0	0.0	47.6	0.7	0.1	0.0	0.0	0.0	0.0	4.0	4.9
6375	17561786.08	4927843.92	4.10	0	D	A	57.5	1.4	0.0	0.0	0.0	38.3	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	23.1
6381	17561786.08	4927843.92	4.10	1	D	A	57.5	1.4	0.0	0.0	0.0	38.7	0.3	-2.7	0.0	0.0	0.0	0.0	2.0	20.7
6389	17561786.08	4927843.92	8.10	0	D	A	57.5	1.4	0.0	0.0	0.0	38.5	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	22.8
6395	17561786.08	4927843.92	8.10	1	D	A	57.5	1.4	0.0	0.0	0.0	38.9	0.3	-2.7	0.0	0.0	0.0	0.0	2.0	20.4
6401	17561786.08	4927843.92	7.10	0	D	A	57.5	1.4	0.0	0.0	0.0	38.4	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	22.9
6407	17561786.08	4927843.92	7.10	1	D	A	57.5	1.4	0.0	0.0	0.0	38.9	0.3	-2.7	0.0	0.0	0.0	0.0	2.0	20.5
6414	17561786.08	4927843.92	2.10	0	D	A	57.5	1.4	0.0	0.0	0.0	38.2	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	23.1
6420	17561786.08	4927843.92	2.10	1	D	A	57.5	1.4	0.0	0.0	0.0	38.6	0.3	-2.7	0.0	0.0	0.0	0.0	2.0	20.7
6426	17561786.08	4927843.92	1.10	0	D	A	57.5	1.4	0.0	0.0	0.0	38.2	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	23.1
6432	17561786.08	4927843.92	1.10	1	D	A	57.5	1.4	0.0	0.0	0.0	38.6	0.3	-2.6	0.0	0.0	0.0	0.0	2.0	20.7
6439	17561786.08	4927843.92	3.10	0	D	A	57.5	1.4	0.0	0.0	0.0	38.2	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	23.1
6445	17561786.08	4927843.92	3.10	1	D	A	57.5	1.4	0.0	0.0	0.0	38.6	0.3	-2.7	0.0	0.0	0.0	0.0	2.0	20.7
6451	17561786.08	4927843.92	6.10	0	D	A	57.5	1.4	0.0	0.0	0.0	38.4	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	22.9
6457	17561786.08	4927843.92	6.10	1	D	A	57.5	1.4	0.0	0.0	0.0	38.8	0.3	-2.7	0.0	0.0	0.0	0.0	2.0	20.6
6463	17561786.08	4927843.92	5.10	0	D	A	57.5	1.4	0.0	0.0	0.0	38.3	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	23.0
6469	17561786.08	4927843.92	5.10	1	D	A	57.5	1.4	0.0	0.0	0.0	38.7	0.3	-2.7	0.0	0.0	0.0	0.0	2.0	20.6
6476	17561786.08	4927843.92	9.10	0	D	A	57.5	1.4	0.0	0.0	0.0	38.6	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	22.7
6482	17561786.08	4927843.92	9.10	1	D	A	57.5	1.4	0.0	0.0	0.0	39.0	0.3	-2.7	0.0	0.0	0.0	0.0	2.0	20.3
6488	17561788.60	4927830.59	0.30	0	D	A	57.5	3.8	0.0	0.0	0.0	41.2	0.4	-2.8	0.0	0.0	0.0	0.0	0.0	22.6
6494	17561788.88	4927828.60	0.30	0	D	A	57.5	-16.3	0.0	0.0	0.0	41.6	0.4	-2.8	0.0	0.0	0.0	0.0	0.0	2.1
6731	17561783.65	4927870.48	6.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	38.0	0.3	-2.7	0.0	0.0	9.9	0.0	0.0	11.7
6743	17561783.65	4927870.48	5.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	37.9	0.2	-2.7	0.0	0.0	9.9	0.0	0.0	11.7
6753	17561783.65	4927870.48	7.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	38.1	0.3	-2.7	0.0	0.0	9.9	0.0	0.0	11.6
6763	17561783.65	4927870.48	9.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	38.3	0.3	-2.7	0.0	0.0	9.8	0.0	0.0	11.5
6773	17561783.65	4927870.48	8.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	38.2	0.3	-2.7	0.0	0.0	9.9	0.0	0.0	11.5
6784	17561783.65	4927870.48	2.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	37.8	0.2	-2.7	0.0	0.0	10.0	0.0	0.0	11.8
6795	17561783.65	4927870.48	1.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	37.8	0.2	-2.7	0.0	0.0	10.0	0.0	0.0	11.8
6807	17561783.65	4927870.48	4.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	37.9	0.2	-2.7	0.0	0.0	9.9	0.0	0.0	11.8
6820	17561783.65	4927870.48	3.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	37.8	0.2	-2.7	0.0	0.0	10.0	0.0	0.0	11.8
6831	17561785.14	4927859.57	0.30	0	D	A	57.5	-2.4	0.0	0.0	0.0	35.9	0.2	-2.8	0.0	0.0	4.9	0.0	0.0	17.0
6840	17561785.14	4927859.57	0.30	1	D	A	57.5	-2.4	0.0	0.0	0.0	49.0	0.8	-1.6	0.0	0.0	0.0	0.0	4.8	2.1
6910	17561784.72	4927862.43	0.30	0	D	A	57.5	-2.5	0.0	0.0	0.0	36.2	0.2	-2.8	0.0	0.0	0.0	0.0	0.0	21.5
6915	17561784.72	4927862.43	0.30	1	D	A	57.5	-2.5	0.0	0.0	0.0	36.6	0.2	-2.8	0.0	0.0	0.0	0.0	2.0	19.1
6920	17561784.72	4927862.43	0.30	2	D	A	57.5	-2.5	0.0	0.0	0.0	51.0	1.0	-2.5	0.0	0.0	0.0	0.0	4.0	1.6
6925	17561784.72	4927862.43	0.30	1	D	A	57.5	-2.5	0.0	0.0	0.0	47.4	0.7	-1.3	0.0	0.0	0.0	0.0	2.0	6.3
6930	17561784.72	4927862.43	0.30	2	D	A	57.5	-2.5	0.0	0.0	0.0	47.5	0.7	-1.4	0.0	0.0	0.0	0.0	4.0	4.2
6945	17561787.73	4927840.64	2.10	0	D	A	57.5	-0.1	0.0	0.0	0.0	38.7	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	21.1
6950	17561787.73	4927840.64	2.10	1	D	A	57.5	-0.1	0.0	0.0	0.0	39.0	0.3	-2.6	0.0	0.0	0.0	0.0	2.0	18.9
6956	17561787.73	4927840.64	5.10	0	D	A	57.5	-0.1	0.0	0.0	0.0	38.8	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	21.0
6961	17561787.73	4927840.64	5.10	1	D	A	57.5	-0.1	0.0	0.0	0.0	39.0	0.3	-2.7	0.0	0.0	0.0	0.0	2.0	18.8

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB(A))
6967	17561787.73	4927840.64	1.10	0	D	A	57.5	-0.1	0.0	0.0	0.0	38.7	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	21.1
6972	17561787.73	4927840.64	1.10	1	D	A	57.5	-0.1	0.0	0.0	0.0	39.0	0.3	-2.6	0.0	0.0	0.0	0.0	2.0	18.8
6979	17561787.73	4927840.64	4.10	0	D	A	57.5	-0.1	0.0	0.0	0.0	38.7	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	21.1
6984	17561787.73	4927840.64	4.10	1	D	A	57.5	-0.1	0.0	0.0	0.0	39.0	0.3	-2.7	0.0	0.0	0.0	0.0	2.0	18.8
6989	17561787.73	4927840.64	9.10	0	D	A	57.5	-0.1	0.0	0.0	0.0	39.1	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	20.7
6994	17561787.73	4927840.64	9.10	1	D	A	57.5	-0.1	0.0	0.0	0.0	39.3	0.3	-2.7	0.0	0.0	0.0	0.0	2.0	18.5
6998	17561787.73	4927840.64	3.10	0	D	A	57.5	-0.1	0.0	0.0	0.0	38.7	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	21.1
7003	17561787.73	4927840.64	3.10	1	D	A	57.5	-0.1	0.0	0.0	0.0	39.0	0.3	-2.6	0.0	0.0	0.0	0.0	2.0	18.9
7007	17561787.73	4927840.64	8.10	0	D	A	57.5	-0.1	0.0	0.0	0.0	39.0	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	20.8
7010	17561787.73	4927840.64	8.10	1	D	A	57.5	-0.1	0.0	0.0	0.0	39.2	0.3	-2.7	0.0	0.0	0.0	0.0	2.0	18.6
7014	17561787.73	4927840.64	6.10	0	D	A	57.5	-0.1	0.0	0.0	0.0	38.8	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	21.0
7017	17561787.73	4927840.64	6.10	1	D	A	57.5	-0.1	0.0	0.0	0.0	39.1	0.3	-2.7	0.0	0.0	0.0	0.0	2.0	18.7
7022	17561787.73	4927840.64	7.10	0	D	A	57.5	-0.1	0.0	0.0	0.0	38.9	0.3	-2.6	0.0	0.0	0.0	0.0	0.0	20.9
7025	17561787.73	4927840.64	7.10	1	D	A	57.5	-0.1	0.0	0.0	0.0	39.2	0.3	-2.7	0.0	0.0	0.0	0.0	2.0	18.7
7077	17561786.08	4927843.92	0.30	0	D	A	57.5	-0.8	0.0	0.0	0.0	38.2	0.3	-2.8	0.0	0.0	0.0	0.0	0.0	21.0
7081	17561786.08	4927843.92	0.30	1	D	A	57.5	-0.8	0.0	0.0	0.0	38.6	0.3	-2.8	0.0	0.0	0.0	0.0	2.0	18.6
7098	17561783.65	4927870.48	0.30	0	D	A	57.5	-2.6	0.0	0.0	0.0	37.8	0.2	-2.8	0.0	0.0	10.0	0.0	0.0	9.7
7113	17561788.79	4927832.62	9.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	40.9	0.3	-2.7	0.0	0.0	11.5	0.0	0.0	7.2
7116	17561788.79	4927832.62	8.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	40.9	0.3	-2.7	0.0	0.0	11.5	0.0	0.0	7.2
7120	17561788.79	4927832.62	7.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	40.8	0.3	-2.7	0.0	0.0	11.6	0.0	0.0	7.2
7123	17561788.79	4927832.62	2.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	40.7	0.3	-2.7	0.0	0.0	11.6	0.0	0.0	7.3
7127	17561788.79	4927832.62	5.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	40.7	0.3	-2.7	0.0	0.0	11.6	0.0	0.0	7.3
7131	17561788.79	4927832.62	4.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	40.7	0.3	-2.7	0.0	0.0	11.6	0.0	0.0	7.3
7135	17561788.79	4927832.62	3.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	40.7	0.3	-2.7	0.0	0.0	11.6	0.0	0.0	7.3
7139	17561788.79	4927832.62	6.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	40.8	0.3	-2.7	0.0	0.0	11.6	0.0	0.0	7.3
7142	17561788.79	4927832.62	1.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	40.7	0.3	-2.6	0.0	0.0	11.7	0.0	0.0	7.2
7146	17561787.73	4927840.64	0.30	0	D	A	57.5	-2.3	0.0	0.0	0.0	38.7	0.3	-2.8	0.0	0.0	0.0	0.0	0.0	19.1
7149	17561787.73	4927840.64	0.30	1	D	A	57.5	-2.3	0.0	0.0	0.0	39.0	0.3	-2.8	0.0	0.0	0.0	0.0	2.0	16.8
7364	17561788.79	4927832.62	0.30	0	D	A	57.5	-2.5	0.0	0.0	0.0	40.7	0.3	-2.8	0.0	0.0	11.6	0.0	0.0	5.3

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB(A))
539	17561769.97	4927872.72	4.10	0	D	A	57.8	9.3	0.0	0.0	0.0	42.0	0.4	-2.8	0.0	0.0	21.3	0.0	0.0	6.3
551	17561778.38	4927873.87	4.10	0	D	A	57.8	9.3	0.0	0.0	0.0	40.0	0.3	-2.8	0.0	0.0	18.3	0.0	0.0	11.3
554	17561782.60	4927874.44	4.10	0	D	A	57.8	-16.1	0.0	0.0	0.0	39.0	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	5.2
559	17561769.94	4927872.71	4.10	1	D	A	57.8	9.3	0.0	0.0	0.0	49.2	0.8	0.0	0.0	0.0	25.0	0.0	2.0	-9.9
561	17561778.30	4927873.85	4.10	1	D	A	57.8	9.3	0.0	0.0	0.0	48.3	0.7	0.1	0.0	0.0	24.8	0.0	2.0	-8.9
581	17561782.54	4927874.43	4.10	1	D	A	57.8	-8.5	0.0	0.0	0.0	47.8	0.7	0.2	0.0	0.0	0.0	0.0	2.0	-1.3
593	17561781.42	4927874.28	4.10	2	D	A	57.8	3.8	0.0	0.0	0.0	49.6	0.8	-2.0	0.0	0.0	0.0	0.0	14.2	-1.0
613	17561766.97	4927872.31	4.10	1	D	A	57.8	3.9	0.0	0.0	0.0	48.5	0.8	-2.2	0.0	0.0	0.0	0.0	5.1	9.5
616	17561769.97	4927872.72	5.10	0	D	A	57.8	9.3	0.0	0.0	0.0	42.0	0.4	-2.8	0.0	0.0	21.2	0.0	0.0	6.3
627	17561778.38	4927873.87	5.10	0	D	A	57.8	9.3	0.0	0.0	0.0	40.1	0.3	-2.8	0.0	0.0	18.2	0.0	0.0	11.3
629	17561782.60	4927874.44	5.10	0	D	A	57.8	-16.1	0.0	0.0	0.0	39.0	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	5.1
641	17561769.94	4927872.71	5.10	1	D	A	57.8	9.3	0.0	0.0	0.0	49.2	0.8	0.0	0.0	0.0	24.9	0.0	2.0	-9.9
643	17561778.30	4927873.85	5.10	1	D	A	57.8	9.3	0.0	0.0	0.0	48.3	0.7	0.1	0.0	0.0	24.8	0.0	2.0	-8.9
654	17561782.54	4927874.43	5.10	1	D	A	57.8	-8.5	0.0	0.0	0.0	47.8	0.7	0.2	0.0	0.0	0.0	0.0	2.0	-1.3
658	17561781.42	4927874.28	5.10	2	D	A	57.8	3.8	0.0	0.0	0.0	49.6	0.8	-2.0	0.0	0.0	0.0	0.0	14.2	-1.0
669	17561766.97	4927872.31	5.10	1	D	A	57.8	3.9	0.0	0.0	0.0	48.5	0.8	-2.2	0.0	0.0	0.0	0.0	5.1	9.5
674	17561769.97	4927872.72	3.10	0	D	A	57.8	9.3	0.0	0.0	0.0	41.9	0.4	-2.8	0.0	0.0	21.3	0.0	0.0	6.4
676	17561778.38	4927873.87	3.10	0	D	A	57.8	9.3	0.0	0.0	0.0	40.0	0.3	-2.8	0.0	0.0	18.3	0.0	0.0	11.3
695	17561782.60	4927874.44	3.10	0	D	A	57.8	-16.1	0.0	0.0	0.0	38.9	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	5.2
697	17561769.94	4927872.71	3.10	1	D	A	57.8	9.3	0.0	0.0	0.0	49.2	0.8	0.0	0.0	0.0	25.0	0.0	2.0	-9.9
708	17561778.30	4927873.85	3.10	1	D	A	57.8	9.3	0.0	0.0	0.0	48.3	0.7	0.1	0.0	0.0	24.8	0.0	2.0	-8.9
729	17561782.54	4927874.43	3.10	1	D	A	57.8	-8.5	0.0	0.0	0.0	47.8	0.7	0.2	0.0	0.0	0.0	0.0	2.0	-1.3
740	17561781.42	4927874.28	3.10	2	D	A	57.8	3.8	0.0	0.0	0.0	49.6	0.8	-2.0	0.0	0.0	0.0	0.0	14.2	-1.0
760	17561766.97	4927872.31	3.10	1	D	A	57.8	3.9	0.0	0.0	0.0	48.5	0.8	-2.2	0.0	0.0	0.0	0.0	5.1	9.5
773	17561769.97	4927872.72	1.10	0	D	A	57.8	9.3	0.0	0.0	0.0	41.9	0.4	-2.9	0.0	0.0	21.3	0.0	0.0	6.4
775	17561778.38	4927873.87	1.10	0	D	A	57.8	9.3	0.0	0.0	0.0	40.0	0.3	-2.7	0.0	0.0	18.3	0.0	0.0	11.2
777	17561782.60	4927874.44	1.10	0	D	A	57.8	-16.1	0.0	0.0	0.0	38.9	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	5.2
788	17561769.94	4927872.71	1.10	1	D	A	57.8	9.3	0.0	0.0	0.0	49.2	0.8	-0.7	0.0	0.0	25.7	0.0	2.0	-9.9
799	17561778.30	4927873.85	1.10	1	D	A	57.8	9.3	0.0	0.0	0.0	48.3	0.7	-0.1	0.0	0.0	25.1	0.0	2.0	-8.9
810	17561782.54	4927874.43	1.10	1	D	A	57.8	-8.5	0.0	0.0	0.0	47.8	0.7	0.1	0.0	0.0	0.0	0.0	2.0	-1.3

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
822	17561781.42	4927874.28	1.10	2	D	A	57.8	3.8	0.0	0.0	0.0	49.6	0.8	-1.4	0.0	0.0	0.0	0.0	13.7	-1.1
824	17561766.97	4927872.31	1.10	1	D	A	57.8	3.9	0.0	0.0	0.0	48.5	0.8	-1.2	0.0	0.0	0.0	0.0	4.5	9.2
827	17561769.97	4927872.72	2.10	0	D	A	57.8	9.3	0.0	0.0	0.0	41.9	0.4	-2.8	0.0	0.0	21.3	0.0	0.0	6.4
838	17561778.38	4927873.87	2.10	0	D	A	57.8	9.3	0.0	0.0	0.0	40.0	0.3	-2.8	0.0	0.0	18.3	0.0	0.0	11.3
840	17561782.60	4927874.44	2.10	0	D	A	57.8	-16.1	0.0	0.0	0.0	38.9	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	5.2
851	17561769.94	4927872.71	2.10	1	D	A	57.8	9.3	0.0	0.0	0.0	49.2	0.8	-0.1	0.0	0.0	25.1	0.0	2.0	-9.9
862	17561778.30	4927873.85	2.10	1	D	A	57.8	9.3	0.0	0.0	0.0	48.3	0.7	0.1	0.0	0.0	24.8	0.0	2.0	-8.9
864	17561782.54	4927874.43	2.10	1	D	A	57.8	-8.5	0.0	0.0	0.0	47.8	0.7	0.2	0.0	0.0	0.0	0.0	2.0	-1.4
884	17561781.42	4927874.28	2.10	2	D	A	57.8	3.8	0.0	0.0	0.0	49.6	0.8	-1.8	0.0	0.0	0.0	0.0	14.1	-1.1
886	17561766.97	4927872.31	2.10	1	D	A	57.8	3.9	0.0	0.0	0.0	48.5	0.8	-2.1	0.0	0.0	0.0	0.0	5.0	9.5
890	17561769.97	4927872.72	8.10	0	D	A	57.8	9.3	0.0	0.0	0.0	42.1	0.4	-2.8	0.0	0.0	21.2	0.0	0.0	6.3
892	17561778.38	4927873.87	8.10	0	D	A	57.8	9.3	0.0	0.0	0.0	40.2	0.3	-2.8	0.0	0.0	18.2	0.0	0.0	11.2
915	17561782.60	4927874.44	8.10	0	D	A	57.8	-16.1	0.0	0.0	0.0	39.2	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	4.9
927	17561769.94	4927872.71	8.10	1	D	A	57.8	9.3	0.0	0.0	0.0	49.2	0.8	0.0	0.0	0.0	24.8	0.0	2.0	-9.8
945	17561778.30	4927873.85	8.10	1	D	A	57.8	9.3	0.0	0.0	0.0	48.3	0.7	0.1	0.0	0.0	24.4	0.0	2.0	-8.5
947	17561782.54	4927874.43	8.10	1	D	A	57.8	-8.5	0.0	0.0	0.0	47.8	0.7	0.2	0.0	0.0	0.0	0.0	2.0	-1.4
957	17561781.42	4927874.28	8.10	2	D	A	57.8	3.8	0.0	0.0	0.0	49.7	0.8	-2.0	0.0	0.0	0.0	0.0	14.2	-1.0
959	17561766.97	4927872.31	8.10	1	D	A	57.8	3.9	0.0	0.0	0.0	48.5	0.8	-2.2	0.0	0.0	0.0	0.0	5.1	9.5
972	17561769.97	4927872.72	9.10	0	D	A	57.8	9.3	0.0	0.0	0.0	42.1	0.4	-2.8	0.0	0.0	21.2	0.0	0.0	6.2
994	17561778.38	4927873.87	9.10	0	D	A	57.8	9.3	0.0	0.0	0.0	40.3	0.3	-2.8	0.0	0.0	18.1	0.0	0.0	11.1
996	17561782.60	4927874.44	9.10	0	D	A	57.8	-16.1	0.0	0.0	0.0	39.3	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	4.8
997	17561769.94	4927872.71	9.10	1	D	A	57.8	9.3	0.0	0.0	0.0	49.2	0.8	0.0	0.0	0.0	24.6	0.0	2.0	-9.6
999	17561778.30	4927873.85	9.10	1	D	A	57.8	9.3	0.0	0.0	0.0	48.3	0.7	0.1	0.0	0.0	24.0	0.0	2.0	-8.1
1001	17561782.54	4927874.43	9.10	1	D	A	57.8	-8.5	0.0	0.0	0.0	47.8	0.7	0.2	0.0	0.0	0.0	0.0	2.0	-1.4
1007	17561781.42	4927874.28	9.10	2	D	A	57.8	3.8	0.0	0.0	0.0	49.7	0.9	-2.0	0.0	0.0	0.0	0.0	14.2	-1.0
1012	17561766.97	4927872.31	9.10	1	D	A	57.8	3.9	0.0	0.0	0.0	48.5	0.8	-2.2	0.0	0.0	0.0	0.0	5.1	9.5
1026	17561769.97	4927872.72	6.10	0	D	A	57.8	9.3	0.0	0.0	0.0	42.0	0.4	-2.8	0.0	0.0	21.2	0.0	0.0	6.3
1031	17561778.38	4927873.87	6.10	0	D	A	57.8	9.3	0.0	0.0	0.0	40.1	0.3	-2.8	0.0	0.0	18.2	0.0	0.0	11.2
1035	17561782.60	4927874.44	6.10	0	D	A	57.8	-16.1	0.0	0.0	0.0	39.1	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	5.1
1041	17561769.94	4927872.71	6.10	1	D	A	57.8	9.3	0.0	0.0	0.0	49.2	0.8	0.0	0.0	0.0	24.9	0.0	2.0	-9.9
1043	17561778.30	4927873.85	6.10	1	D	A	57.8	9.3	0.0	0.0	0.0	48.3	0.7	0.1	0.0	0.0	24.7	0.0	2.0	-8.8
1066	17561782.54	4927874.43	6.10	1	D	A	57.8	-8.5	0.0	0.0	0.0	47.8	0.7	0.2	0.0	0.0	0.0	0.0	2.0	-1.3
1084	17561781.42	4927874.28	6.10	2	D	A	57.8	3.8	0.0	0.0	0.0	49.7	0.8	-2.0	0.0	0.0	0.0	0.0	14.2	-1.0
1088	17561766.97	4927872.31	6.10	1	D	A	57.8	3.9	0.0	0.0	0.0	48.5	0.8	-2.2	0.0	0.0	0.0	0.0	5.1	9.5
1121	17561769.97	4927872.72	7.10	0	D	A	57.8	9.3	0.0	0.0	0.0	42.0	0.4	-2.8	0.0	0.0	21.2	0.0	0.0	6.3
1132	17561778.38	4927873.87	7.10	0	D	A	57.8	9.3	0.0	0.0	0.0	40.2	0.3	-2.8	0.0	0.0	18.2	0.0	0.0	11.2
1141	17561782.60	4927874.44	7.10	0	D	A	57.8	-16.1	0.0	0.0	0.0	39.1	0.3	-2.7	0.0	0.0	0.0	0.0	0.0	5.0
1151	17561769.94	4927872.71	7.10	1	D	A	57.8	9.3	0.0	0.0	0.0	49.2	0.8	0.0	0.0	0.0	24.9	0.0	2.0	-9.9
1159	17561778.30	4927873.85	7.10	1	D	A	57.8	9.3	0.0	0.0	0.0	48.3	0.7	0.1	0.0	0.0	24.6	0.0	2.0	-8.7
1169	17561782.54	4927874.43	7.10	1	D	A	57.8	-8.5	0.0	0.0	0.0	47.8	0.7	0.2	0.0	0.0	0.0	0.0	2.0	-1.4
1179	17561781.42	4927874.28	7.10	2	D	A	57.8	3.8	0.0	0.0	0.0	49.7	0.8	-2.0	0.0	0.0	0.0	0.0	14.2	-1.0
1189	17561766.97	4927872.31	7.10	1	D	A	57.8	3.9	0.0	0.0	0.0	48.5	0.8	-2.2	0.0	0.0	0.0	0.0	5.1	9.5
2133	17561774.18	4927873.29	0.30	0	D	A	57.8	10.1	0.0	0.0	0.0	41.0	0.3	-2.9	0.0	0.0	20.3	0.0	0.0	9.2
2143	17561782.60	4927874.44	0.30	0	D	A	57.8	-18.4	0.0	0.0	0.0	38.9	0.3	-2.8	0.0	0.0	0.0	0.0	0.0	3.1
2155	17561774.12	4927873.28	0.30	1	D	A	57.8	10.1	0.0	0.0	0.0	48.8	0.8	-1.6	0.0	0.0	26.6	0.0	2.0	-8.6
2166	17561782.54	4927874.43	0.30	1	D	A	57.8	-10.7	0.0	0.0	0.0	47.8	0.7	-1.3	0.0	0.0	0.0	0.0	2.0	-2.1
2177	17561781.42	4927874.28	0.30	2	D	A	57.8	1.6	0.0	0.0	0.0	49.6	0.8	-2.9	0.0	0.0	0.0	0.0	14.2	-2.3
2188	17561766.97	4927872.31	0.30	1	D	A	57.8	1.7	0.0	0.0	0.0	48.5	0.8	-2.9	0.0	0.0	0.0	0.0	5.1	8.0

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
1926	17561780.39	4927827.41	4.10	0	D	A	58.6	12.3	0.0	0.0	0.0	42.9	0.4	-2.7	0.0	0.0	22.2	0.0	0.0	8.1
1937	17561788.87	4927828.58	4.10	0	D	A	58.6	-17.1	0.0	0.0	0.0	41.7	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	2.2
1950	17561780.39	4927827.41	5.10	0	D	A	58.6	12.3	0.0	0.0	0.0	42.9	0.4	-2.7	0.0	0.0	22.2	0.0	0.0	8.1
1961	17561788.87	4927828.58	5.10	0	D	A	58.6	-17.1	0.0	0.0	0.0	41.7	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	2.1
1973	17561780.39	4927827.41	3.10	0	D	A	58.6	12.3	0.0	0.0	0.0	42.9	0.4	-2.7	0.0	0.0	22.2	0.0	0.0	8.1
1984	17561788.87	4927828.58	3.10	0	D	A	58.6	-17.1	0.0	0.0	0.0	41.6	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	2.2
1997	17561780.39	4927827.41	1.10	0	D	A	58.6	12.3	0.0	0.0	0.0	42.9	0.4	-2.9	0.0	0.0	22.3	0.0	0.0	8.2
2008	17561788.87	4927828.58	1.10	0	D	A	58.6	-17.1	0.0	0.0	0.0	41.6	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	2.2
2020	17561780.39	4927827.41	2.10	0	D	A	58.6	12.3	0.0	0.0	0.0	42.9	0.4	-2.7	0.0	0.0	22.2	0.0	0.0	8.1
2031	17561788.87	4927828.58	2.10	0	D	A	58.6	-17.1	0.0	0.0	0.0	41.6	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	2.2
2042	17561780.39	4927827.41	6.10	0	D	A	58.6	12.3	0.0	0.0	0.0	42.9	0.4	-2.7	0.0	0.0	22.2	0.0	0.0	8.1

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
2053	17561788.87	4927828.58	6.10	0	D	A	58.6	-17.1	0.0	0.0	0.0	41.7	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	2.1
2065	17561780.39	4927827.41	8.10	0	D	A	58.6	12.3	0.0	0.0	0.0	43.0	0.4	-2.7	0.0	0.0	22.2	0.0	0.0	8.0
2076	17561788.87	4927828.58	8.10	0	D	A	58.6	-17.1	0.0	0.0	0.0	41.8	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	2.0
2087	17561780.39	4927827.41	9.10	0	D	A	58.6	12.3	0.0	0.0	0.0	43.0	0.4	-2.7	0.0	0.0	22.2	0.0	0.0	8.0
2097	17561788.87	4927828.58	9.10	0	D	A	58.6	-17.1	0.0	0.0	0.0	41.9	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	2.0
2110	17561780.39	4927827.41	7.10	0	D	A	58.6	12.3	0.0	0.0	0.0	43.0	0.4	-2.7	0.0	0.0	22.2	0.0	0.0	8.1
2121	17561788.87	4927828.58	7.10	0	D	A	58.6	-17.1	0.0	0.0	0.0	41.8	0.4	-2.7	0.0	0.0	0.0	0.0	0.0	2.1
2519	17561780.39	4927827.41	0.30	0	D	A	58.6	10.1	0.0	0.0	0.0	42.9	0.4	-2.9	0.0	0.0	22.3	0.0	0.0	6.0
2530	17561788.87	4927828.58	0.30	0	D	A	58.6	-19.3	0.0	0.0	0.0	41.6	0.4	-2.8	0.0	0.0	0.0	0.0	0.0	0.1

Point Source, ISO 9613, Name: "ODU-1", ID: "ODU-1"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
2486	17561781.98	4927874.36	2.00	0	DEN	A	65.5	0.0	0.0	0.0	0.0	39.1	0.1	-2.6	0.0	0.0	9.6	0.0	0.0	19.3
2497	17561781.98	4927874.36	2.00	1	DEN	A	65.5	0.0	0.0	0.0	0.0	47.8	0.3	1.5	0.0	0.0	20.3	0.0	2.3	-6.8
2508	17561781.98	4927874.36	2.00	2	DEN	A	65.5	0.0	0.0	0.0	0.0	49.7	0.4	-1.1	0.0	0.0	0.0	0.0	19.9	-3.4

Point Source, ISO 9613, Name: "ODU-2", ID: "ODU-2"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
2542	17561781.98	4927874.36	2.80	0	D	A	65.5	0.0	0.0	0.0	0.0	39.1	0.1	-2.7	0.0	0.0	9.6	0.0	0.0	19.3
2553	17561781.98	4927874.36	2.80	1	D	A	65.5	0.0	0.0	0.0	0.0	47.8	0.3	1.4	0.0	0.0	20.5	0.0	2.3	-6.8
2564	17561781.98	4927874.36	2.80	2	D	A	65.5	0.0	0.0	0.0	0.0	49.7	0.4	-1.6	0.0	0.0	0.0	0.0	20.2	-3.2

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
2575	17561767.64	4927851.12	1.10	0	D	A	57.5	10.7	0.0	0.0	0.0	42.1	0.4	-2.9	0.0	0.0	27.2	0.0	0.0	1.5
2598	17561766.86	4927856.92	1.10	1	D	A	57.5	-8.0	0.0	0.0	0.0	50.1	0.9	-2.4	0.0	0.0	0.0	0.0	5.0	-4.1
2609	17561767.64	4927851.12	3.10	0	D	A	57.5	10.7	0.0	0.0	0.0	42.2	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	1.5
2632	17561766.86	4927856.92	3.10	1	D	A	57.5	-8.0	0.0	0.0	0.0	50.1	0.9	-2.4	0.0	0.0	0.0	0.0	5.2	-4.3
2644	17561767.64	4927851.12	2.10	0	D	A	57.5	10.7	0.0	0.0	0.0	42.1	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	1.5
2667	17561766.86	4927856.92	2.10	1	D	A	57.5	-8.0	0.0	0.0	0.0	50.1	0.9	-2.2	0.0	0.0	0.0	0.0	5.1	-4.4
2679	17561767.64	4927851.12	9.10	0	D	A	57.5	10.7	0.0	0.0	0.0	42.3	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	1.3
2702	17561766.86	4927856.92	9.10	1	D	A	57.5	-8.0	0.0	0.0	0.0	50.1	0.9	-2.4	0.0	0.0	0.0	0.0	5.2	-4.3
2713	17561767.64	4927851.12	8.10	0	D	A	57.5	10.7	0.0	0.0	0.0	42.3	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	1.3
2737	17561766.86	4927856.92	8.10	1	D	A	57.5	-8.0	0.0	0.0	0.0	50.1	0.9	-2.4	0.0	0.0	0.0	0.0	5.2	-4.3
2748	17561767.64	4927851.12	6.10	0	D	A	57.5	10.7	0.0	0.0	0.0	42.2	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	1.4
2770	17561766.86	4927856.92	6.10	1	D	A	57.5	-8.0	0.0	0.0	0.0	50.1	0.9	-2.4	0.0	0.0	0.0	0.0	5.2	-4.3
2781	17561767.64	4927851.12	7.10	0	D	A	57.5	10.7	0.0	0.0	0.0	42.2	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	1.4
2803	17561766.86	4927856.92	7.10	1	D	A	57.5	-8.0	0.0	0.0	0.0	50.1	0.9	-2.4	0.0	0.0	0.0	0.0	5.2	-4.3
2814	17561767.64	4927851.12	4.10	0	D	A	57.5	10.7	0.0	0.0	0.0	42.2	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	1.4
2837	17561766.86	4927856.92	4.10	1	D	A	57.5	-8.0	0.0	0.0	0.0	50.1	0.9	-2.4	0.0	0.0	0.0	0.0	5.2	-4.3
2848	17561767.64	4927851.12	5.10	0	D	A	57.5	10.7	0.0	0.0	0.0	42.2	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	1.4
2870	17561766.86	4927856.92	5.10	1	D	A	57.5	-8.0	0.0	0.0	0.0	50.1	0.9	-2.4	0.0	0.0	0.0	0.0	5.2	-4.3
4293	17561765.90	4927864.02	7.10	0	D	A	57.5	9.1	0.0	0.0	0.0	42.5	0.4	-2.8	0.0	0.0	26.7	0.0	0.0	-0.1
4305	17561765.90	4927864.02	7.10	1	D	A	57.5	9.1	0.0	0.0	0.0	49.6	0.8	-0.0	0.0	0.0	25.0	0.0	2.0	-10.7
4327	17561765.90	4927864.02	7.10	1	D	A	57.5	9.1	0.0	0.0	0.0	49.4	0.8	-2.3	0.0	0.0	0.0	0.0	5.2	13.6
4338	17561765.90	4927864.02	6.10	0	D	A	57.5	9.1	0.0	0.0	0.0	42.4	0.4	-2.8	0.0	0.0	26.7	0.0	0.0	-0.1
4350	17561765.90	4927864.02	6.10	1	D	A	57.5	9.1	0.0	0.0	0.0	49.6	0.8	-0.0	0.0	0.0	25.0	0.0	2.0	-10.8
4371	17561765.90	4927864.02	6.10	1	D	A	57.5	9.1	0.0	0.0	0.0	49.4	0.8	-2.3	0.0	0.0	0.0	0.0	5.2	13.6
4382	17561765.90	4927864.02	9.10	0	D	A	57.5	9.1	0.0	0.0	0.0	42.6	0.4	-2.8	0.0	0.0	26.9	0.0	0.0	-0.3
4393	17561765.90	4927864.02	9.10	1	D	A	57.5	9.1	0.0	0.0	0.0	49.6	0.8	-0.0	0.0	0.0	24.8	0.0	2.0	-10.5
4414	17561765.90	4927864.02	9.10	1	D	A	57.5	9.1	0.0	0.0	0.0	49.4	0.8	-2.3	0.0	0.0	0.0	0.0	5.2	13.6
4425	17561765.90	4927864.02	8.10	0	D	A	57.5	9.1	0.0	0.0	0.0	42.5	0.4	-2.8	0.0	0.0	26.7	0.0	0.0	-0.1
4436	17561765.90	4927864.02	8.10	1	D	A	57.5	9.1	0.0	0.0	0.0	49.6	0.8	-0.0	0.0	0.0	25.0	0.0	2.0	-10.7
4458	17561765.90	4927864.02	8.10	1	D	A	57.5	9.1	0.0	0.0	0.0	49.4	0.8	-2.3	0.0	0.0	0.0	0.0	5.2	13.6
4469	17561765.90	4927864.02	5.10	0	D	A	57.5	9.1	0.0	0.0	0.0	42.4	0.4	-2.8	0.0	0.0	26.7	0.0	0.0	-0.0
4480	17561765.90	4927864.02	5.10	1	D	A	57.5	9.1	0.0	0.0	0.0	49.6	0.8	-0.0	0.0	0.0	25.0	0.0	2.0	-10.8
4502	17561765.90	4927864.02	5.10	1	D	A	57.5	9.1	0.0	0.0	0.0	49.4	0.8	-2.3	0.0	0.0	0.0	0.0	5.2	13.6
4513	17561765.90	4927864.02	2.10	0	D	A	57.5	9.1	0.0	0.0	0.0	42.4	0.4	-2.8	0.0	0.0	26.7	0.0	0.0	-0.0
4525	17561765.90	4927864.02	2.10	1	D	A	57.5	9.1	0.0	0.0	0.0	49.6	0.8	-0.2	0.0	0.0	25.2	0.0	2.0	-10.8
4547	17561765.90	4927864.02	2.10	1	D	A	57.5	9.1	0.0	0.0	0.0	49.4	0.8	-2.2	0.0	0.0	0.0	0.0	5.1	13.6

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahouus	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
4558	17561765.90	4927864.02	1.10	0	D	A	57.5	9.1	0.0	0.0	0.0	42.4	0.4	-2.9	0.0	0.0	26.8	0.0	0.0	0.0
4569	17561765.90	4927864.02	1.10	1	D	A	57.5	9.1	0.0	0.0	0.0	49.6	0.8	-1.0	0.0	0.0	26.0	0.0	2.0	-10.8
4591	17561765.90	4927864.02	1.10	1	D	A	57.5	9.1	0.0	0.0	0.0	49.4	0.8	-1.8	0.0	0.0	0.0	0.0	4.8	13.5
4603	17561765.90	4927864.02	4.10	0	D	A	57.5	9.1	0.0	0.0	0.0	42.4	0.4	-2.8	0.0	0.0	26.7	0.0	0.0	-0.0
4614	17561765.90	4927864.02	4.10	1	D	A	57.5	9.1	0.0	0.0	0.0	49.6	0.8	-0.0	0.0	0.0	25.0	0.0	2.0	-10.8
4636	17561765.90	4927864.02	4.10	1	D	A	57.5	9.1	0.0	0.0	0.0	49.4	0.8	-2.3	0.0	0.0	0.0	0.0	5.2	13.6
4647	17561765.90	4927864.02	3.10	0	D	A	57.5	9.1	0.0	0.0	0.0	42.4	0.4	-2.8	0.0	0.0	26.7	0.0	0.0	-0.0
4658	17561765.90	4927864.02	3.10	1	D	A	57.5	9.1	0.0	0.0	0.0	49.6	0.8	-0.0	0.0	0.0	25.0	0.0	2.0	-10.8
4680	17561765.90	4927864.02	3.10	1	D	A	57.5	9.1	0.0	0.0	0.0	49.4	0.8	-2.3	0.0	0.0	0.0	0.0	5.2	13.6
4787	17561771.26	4927842.04	5.10	0	D	A	57.5	8.5	0.0	0.0	0.0	42.2	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-0.8
4797	17561771.26	4927842.04	6.10	0	D	A	57.5	8.5	0.0	0.0	0.0	42.2	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-0.9
4809	17561771.26	4927842.04	3.10	0	D	A	57.5	8.5	0.0	0.0	0.0	42.1	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-0.8
4820	17561771.26	4927842.04	4.10	0	D	A	57.5	8.5	0.0	0.0	0.0	42.2	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-0.8
4830	17561771.26	4927842.04	8.10	0	D	A	57.5	8.5	0.0	0.0	0.0	42.3	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-0.9
4840	17561771.26	4927842.04	9.10	0	D	A	57.5	8.5	0.0	0.0	0.0	42.3	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-1.0
4853	17561771.26	4927842.04	1.10	0	D	A	57.5	8.5	0.0	0.0	0.0	42.1	0.4	-2.9	0.0	0.0	27.2	0.0	0.0	-0.8
4884	17561771.26	4927842.04	7.10	0	D	A	57.5	8.5	0.0	0.0	0.0	42.2	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-0.9
4895	17561771.26	4927842.04	2.10	0	D	A	57.5	8.5	0.0	0.0	0.0	42.1	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-0.8
4915	17561767.64	4927851.12	0.30	0	D	A	57.5	8.5	0.0	0.0	0.0	42.1	0.4	-2.9	0.0	0.0	27.2	0.0	0.0	-0.7
4936	17561766.86	4927856.92	0.30	1	D	A	57.5	-10.2	0.0	0.0	0.0	50.1	0.9	-3.4	0.0	0.0	0.0	0.0	5.2	-5.5
5006	17561769.94	4927834.16	2.10	0	D	A	57.5	9.1	0.0	0.0	0.0	43.4	0.4	-2.8	0.0	0.0	26.9	0.0	0.0	-1.2
5026	17561769.94	4927834.16	1.10	0	D	A	57.5	9.1	0.0	0.0	0.0	43.4	0.4	-2.9	0.0	0.0	26.9	0.0	0.0	-1.2
5047	17561769.94	4927834.16	7.10	0	D	A	57.5	9.1	0.0	0.0	0.0	43.4	0.4	-2.8	0.0	0.0	26.8	0.0	0.0	-1.3
5056	17561769.94	4927834.16	6.10	0	D	A	57.5	9.1	0.0	0.0	0.0	43.4	0.4	-2.8	0.0	0.0	26.9	0.0	0.0	-1.3
5066	17561769.94	4927834.16	9.10	0	D	A	57.5	9.1	0.0	0.0	0.0	43.5	0.5	-2.8	0.0	0.0	26.8	0.0	0.0	-1.3
5075	17561769.94	4927834.16	8.10	0	D	A	57.5	9.1	0.0	0.0	0.0	43.5	0.5	-2.8	0.0	0.0	26.8	0.0	0.0	-1.3
5084	17561769.94	4927834.16	4.10	0	D	A	57.5	9.1	0.0	0.0	0.0	43.4	0.4	-2.8	0.0	0.0	26.9	0.0	0.0	-1.3
5094	17561769.94	4927834.16	3.10	0	D	A	57.5	9.1	0.0	0.0	0.0	43.4	0.4	-2.8	0.0	0.0	26.9	0.0	0.0	-1.2
5103	17561769.94	4927834.16	5.10	0	D	A	57.5	9.1	0.0	0.0	0.0	43.4	0.4	-2.8	0.0	0.0	26.9	0.0	0.0	-1.3
5353	17561765.90	4927864.02	0.30	0	D	A	57.5	6.9	0.0	0.0	0.0	42.4	0.4	-2.9	0.0	0.0	26.8	0.0	0.0	-2.2
5381	17561765.90	4927864.02	0.30	1	D	A	57.5	6.9	0.0	0.0	0.0	49.4	0.8	-3.2	0.0	0.0	0.0	0.0	5.2	12.3
5399	17561771.26	4927842.04	0.30	0	D	A	57.5	6.3	0.0	0.0	0.0	42.1	0.4	-2.9	0.0	0.0	27.2	0.0	0.0	-3.0
5727	17561769.94	4927834.16	0.30	0	D	A	57.5	6.9	0.0	0.0	0.0	43.4	0.4	-2.9	0.0	0.0	26.9	0.0	0.0	-3.4
6157	17561766.01	4927870.17	5.10	0	D	A	57.5	6.0	0.0	0.0	0.0	42.7	0.4	-2.8	0.0	0.0	25.8	0.0	0.0	-2.6
6169	17561766.01	4927870.17	5.10	1	D	A	57.5	6.0	0.0	0.0	0.0	48.7	0.8	-2.2	0.0	0.0	0.0	0.0	5.1	11.1
6175	17561766.01	4927870.17	5.10	2	D	A	57.5	6.0	0.0	0.0	0.0	49.2	0.8	-2.3	0.0	0.0	0.0	0.0	7.2	8.6
6181	17561766.01	4927870.17	4.10	0	D	A	57.5	6.0	0.0	0.0	0.0	42.6	0.4	-2.8	0.0	0.0	25.8	0.0	0.0	-2.6
6194	17561766.01	4927870.17	4.10	1	D	A	57.5	6.0	0.0	0.0	0.0	48.7	0.8	-2.2	0.0	0.0	0.0	0.0	5.1	11.1
6201	17561766.01	4927870.17	4.10	2	D	A	57.5	6.0	0.0	0.0	0.0	49.2	0.8	-2.3	0.0	0.0	0.0	0.0	7.1	8.6
6207	17561766.01	4927870.17	3.10	0	D	A	57.5	6.0	0.0	0.0	0.0	42.6	0.4	-2.8	0.0	0.0	25.8	0.0	0.0	-2.6
6219	17561766.01	4927870.17	3.10	1	D	A	57.5	6.0	0.0	0.0	0.0	48.7	0.8	-2.2	0.0	0.0	0.0	0.0	5.1	11.1
6225	17561766.01	4927870.17	3.10	2	D	A	57.5	6.0	0.0	0.0	0.0	49.1	0.8	-2.2	0.0	0.0	0.0	0.0	7.1	8.6
6231	17561766.01	4927870.17	6.10	0	D	A	57.5	6.0	0.0	0.0	0.0	42.7	0.4	-2.8	0.0	0.0	25.8	0.0	0.0	-2.6
6243	17561766.01	4927870.17	6.10	1	D	A	57.5	6.0	0.0	0.0	0.0	48.7	0.8	-2.2	0.0	0.0	0.0	0.0	5.1	11.1
6248	17561766.01	4927870.17	6.10	2	D	A	57.5	6.0	0.0	0.0	0.0	49.2	0.8	-2.3	0.0	0.0	0.0	0.0	7.2	8.6
6254	17561766.01	4927870.17	9.10	0	D	A	57.5	6.0	0.0	0.0	0.0	42.8	0.4	-2.8	0.0	0.0	25.9	0.0	0.0	-2.8
6266	17561766.01	4927870.17	9.10	1	D	A	57.5	6.0	0.0	0.0	0.0	48.8	0.8	-2.2	0.0	0.0	0.0	0.0	5.1	11.1
6273	17561766.01	4927870.17	9.10	2	D	A	57.5	6.0	0.0	0.0	0.0	49.2	0.8	-2.3	0.0	0.0	0.0	0.0	7.2	8.6
6279	17561766.01	4927870.17	8.10	0	D	A	57.5	6.0	0.0	0.0	0.0	42.8	0.4	-2.8	0.0	0.0	25.8	0.0	0.0	-2.7
6291	17561766.01	4927870.17	8.10	1	D	A	57.5	6.0	0.0	0.0	0.0	48.7	0.8	-2.2	0.0	0.0	0.0	0.0	5.1	11.1
6297	17561766.01	4927870.17	8.10	2	D	A	57.5	6.0	0.0	0.0	0.0	49.2	0.8	-2.3	0.0	0.0	0.0	0.0	7.2	8.6
6303	17561766.01	4927870.17	7.10	0	D	A	57.5	6.0	0.0	0.0	0.0	42.7	0.4	-2.8	0.0	0.0	25.8	0.0	0.0	-2.6
6315	17561766.01	4927870.17	7.10	1	D	A	57.5	6.0	0.0	0.0	0.0	48.7	0.8	-2.2	0.0	0.0	0.0	0.0	5.1	11.1
6321	17561766.01	4927870.17	7.10	2	D	A	57.5	6.0	0.0	0.0	0.0	49.2	0.8	-2.3	0.0	0.0	0.0	0.0	7.2	8.6
6327	17561766.01	4927870.17	1.10	0	D	A	57.5	6.0	0.0	0.0	0.0	42.6	0.4	-2.9	0.0	0.0	25.9	0.0	0.0	-2.5
6339	17561766.01	4927870.17	1.10	1	D	A	57.5	6.0	0.0	0.0	0.0	48.7	0.8	-1.3	0.0	0.0	0.0	0.0	4.6	10.8
6345	17561766.01	4927870.17	1.10	2	D	A	57.5	6.0	0.0	0.0	0.0	49.1	0.8	-1.6	0.0	0.0	0.0	0.0	6.7	8.4
6351	17561766.01	4927870.17	2.10	0	D	A	57.5	6.0	0.0	0.0	0.0	42.6	0.4	-2.8	0.0	0.0	25.8	0.0	0.0	-2.6
6363	17561766.01	4927870.17	2.10	1	D	A	57.5	6.0	0.0	0.0	0.0	48.7	0.8	-2.1	0.0	0.0	0.0	0.0	5.1	11.1
6369	17561766.01	4927870.17	2.10	2	D	A	57.5	6.0	0.0	0.0	0.0	49.1	0.8	-2.1	0.0	0.0	0.0	0.0	7.1	8.6
6501	17561767.58	4927858.58	8.10	0	D	A	57.5	4.8	0.0	0.0	0.0	42.1	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-4.3
6519	17561767.58	4927858.58	5.10	0	D	A	57.5	4.8	0.0	0.0	0.0	42.0	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-4.3
6537	17561767.58	4927858.58	6.10	0	D	A	57.5	4.8	0.0	0.0	0.0	42.0	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-4.3

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
6556	17561767.58	4927858.58	7.10	0	D	A	57.5	4.8	0.0	0.0	0.0	42.0	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-4.3
6574	17561767.58	4927858.58	9.10	0	D	A	57.5	4.8	0.0	0.0	0.0	42.1	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-4.4
6593	17561767.58	4927858.58	3.10	0	D	A	57.5	4.8	0.0	0.0	0.0	41.9	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-4.2
6613	17561767.58	4927858.58	4.10	0	D	A	57.5	4.8	0.0	0.0	0.0	41.9	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-4.2
6631	17561767.58	4927858.58	1.10	0	D	A	57.5	4.8	0.0	0.0	0.0	41.9	0.4	-2.9	0.0	0.0	27.1	0.0	0.0	-4.2
6651	17561767.58	4927858.58	2.10	0	D	A	57.5	4.8	0.0	0.0	0.0	41.9	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-4.2
6669	17561771.66	4927828.26	3.10	0	D	A	57.5	6.1	0.0	0.0	0.0	43.9	0.5	-2.8	0.0	0.0	26.3	0.0	0.0	-4.3
6676	17561771.66	4927828.26	4.10	0	D	A	57.5	6.1	0.0	0.0	0.0	43.9	0.5	-2.8	0.0	0.0	26.3	0.0	0.0	-4.3
6683	17561771.66	4927828.26	1.10	0	D	A	57.5	6.1	0.0	0.0	0.0	43.9	0.5	-2.9	0.0	0.0	26.4	0.0	0.0	-4.2
6691	17561771.66	4927828.26	2.10	0	D	A	57.5	6.1	0.0	0.0	0.0	43.9	0.5	-2.8	0.0	0.0	26.3	0.0	0.0	-4.3
6698	17561771.66	4927828.26	5.10	0	D	A	57.5	6.1	0.0	0.0	0.0	43.9	0.5	-2.8	0.0	0.0	26.3	0.0	0.0	-4.3
6704	17561771.66	4927828.26	8.10	0	D	A	57.5	6.1	0.0	0.0	0.0	44.0	0.5	-2.8	0.0	0.0	26.3	0.0	0.0	-4.3
6710	17561771.66	4927828.26	9.10	0	D	A	57.5	6.1	0.0	0.0	0.0	44.0	0.5	-2.8	0.0	0.0	26.5	0.0	0.0	-4.6
6716	17561771.66	4927828.26	6.10	0	D	A	57.5	6.1	0.0	0.0	0.0	43.9	0.5	-2.8	0.0	0.0	26.3	0.0	0.0	-4.3
6724	17561771.66	4927828.26	7.10	0	D	A	57.5	6.1	0.0	0.0	0.0	44.0	0.5	-2.8	0.0	0.0	26.3	0.0	0.0	-4.3
6851	17561769.60	4927845.40	7.10	0	D	A	57.5	3.7	0.0	0.0	0.0	42.2	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-5.7
6858	17561769.60	4927845.40	6.10	0	D	A	57.5	3.7	0.0	0.0	0.0	42.2	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-5.7
6865	17561769.60	4927845.40	2.10	0	D	A	57.5	3.7	0.0	0.0	0.0	42.1	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-5.6
6870	17561769.60	4927845.40	1.10	0	D	A	57.5	3.7	0.0	0.0	0.0	42.1	0.4	-2.9	0.0	0.0	27.2	0.0	0.0	-5.6
6879	17561769.60	4927845.40	3.10	0	D	A	57.5	3.7	0.0	0.0	0.0	42.1	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-5.6
6884	17561769.60	4927845.40	5.10	0	D	A	57.5	3.7	0.0	0.0	0.0	42.2	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-5.7
6891	17561769.60	4927845.40	4.10	0	D	A	57.5	3.7	0.0	0.0	0.0	42.2	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-5.6
6898	17561769.60	4927845.40	8.10	0	D	A	57.5	3.7	0.0	0.0	0.0	42.3	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-5.7
6904	17561769.60	4927845.40	9.10	0	D	A	57.5	3.7	0.0	0.0	0.0	42.3	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-5.8
7029	17561770.57	4927838.36	6.10	0	D	A	57.5	3.8	0.0	0.0	0.0	42.8	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-6.1
7033	17561770.57	4927838.36	5.10	0	D	A	57.5	3.8	0.0	0.0	0.0	42.8	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-6.1
7037	17561770.57	4927838.36	8.10	0	D	A	57.5	3.8	0.0	0.0	0.0	42.8	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-6.1
7040	17561770.57	4927838.36	7.10	0	D	A	57.5	3.8	0.0	0.0	0.0	42.8	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-6.1
7044	17561770.57	4927838.36	2.10	0	D	A	57.5	3.8	0.0	0.0	0.0	42.7	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-6.1
7049	17561770.57	4927838.36	1.10	0	D	A	57.5	3.8	0.0	0.0	0.0	42.7	0.4	-2.9	0.0	0.0	27.1	0.0	0.0	-6.0
7053	17561770.57	4927838.36	4.10	0	D	A	57.5	3.8	0.0	0.0	0.0	42.7	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-6.1
7056	17561770.57	4927838.36	3.10	0	D	A	57.5	3.8	0.0	0.0	0.0	42.7	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-6.1
7062	17561770.57	4927838.36	9.10	0	D	A	57.5	3.8	0.0	0.0	0.0	42.9	0.4	-2.8	0.0	0.0	26.9	0.0	0.0	-6.1
7065	17561766.01	4927870.17	0.30	0	D	A	57.5	3.7	0.0	0.0	0.0	42.6	0.4	-2.9	0.0	0.0	25.9	0.0	0.0	-4.7
7071	17561766.01	4927870.17	0.30	1	D	A	57.5	3.7	0.0	0.0	0.0	48.7	0.8	-2.9	0.0	0.0	0.0	0.0	5.1	9.6
7074	17561766.01	4927870.17	0.30	2	D	A	57.5	3.7	0.0	0.0	0.0	49.1	0.8	-3.1	0.0	0.0	0.0	0.0	7.2	7.2
7083	17561767.58	4927858.58	0.30	0	D	A	57.5	2.5	0.0	0.0	0.0	41.9	0.4	-2.9	0.0	0.0	27.1	0.0	0.0	-6.4
7095	17561771.66	4927828.26	0.30	0	D	A	57.5	3.9	0.0	0.0	0.0	43.9	0.5	-2.9	0.0	0.0	26.4	0.0	0.0	-6.5
7105	17561769.60	4927845.40	0.30	0	D	A	57.5	1.5	0.0	0.0	0.0	42.1	0.4	-2.9	0.0	0.0	27.2	0.0	0.0	-7.8
7153	17561770.57	4927838.36	0.30	0	D	A	57.5	1.6	0.0	0.0	0.0	42.7	0.4	-2.9	0.0	0.0	27.1	0.0	0.0	-8.3
7156	17561767.31	4927857.05	3.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	42.0	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-9.3
7164	17561767.31	4927857.05	2.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	42.0	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-9.3
7170	17561767.31	4927857.05	4.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	42.0	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-9.4
7178	17561767.31	4927857.05	8.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	42.1	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-9.5
7185	17561767.31	4927857.05	7.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	42.1	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-9.4
7192	17561767.31	4927857.05	5.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	42.0	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-9.4
7198	17561767.31	4927857.05	1.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	42.0	0.4	-2.9	0.0	0.0	27.1	0.0	0.0	-9.3
7205	17561767.31	4927857.05	6.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	42.1	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-9.4
7212	17561767.31	4927857.05	9.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	42.2	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-9.5
7218	17561766.91	4927860.00	8.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	42.2	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-9.5
7229	17561766.91	4927860.00	9.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	42.3	0.4	-2.8	0.0	0.0	27.1	0.0	0.0	-9.7
7241	17561766.91	4927860.00	4.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	42.1	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-9.4
7251	17561766.91	4927860.00	5.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	42.1	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-9.4
7260	17561766.91	4927860.00	6.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	42.1	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-9.4
7271	17561766.91	4927860.00	1.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	42.1	0.4	-2.9	0.0	0.0	27.0	0.0	0.0	-9.3
7282	17561766.91	4927860.00	2.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	42.1	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-9.3
7294	17561766.91	4927860.00	3.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	42.1	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-9.3
7304	17561766.91	4927860.00	7.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	42.2	0.4	-2.8	0.0	0.0	27.0	0.0	0.0	-9.4
7315	17561765.82	4927868.15	1.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	42.6	0.4	-2.9	0.0	0.0	26.3	0.0	0.0	-9.2
7322	17561765.82	4927868.15	1.10	1	D	A	57.5	-0.4	0.0	0.0	0.0	48.9	0.8	-1.5	0.0	0.0	0.0	0.0	4.6	4.3
7325	17561765.82	4927868.15	4.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	42.6	0.4	-2.8	0.0	0.0	26.3	0.0	0.0	-9.3
7329	17561765.82	4927868.15	4.10	1	D	A	57.5	-0.4	0.0	0.0	0.0	48.9	0.8	-2.3	0.0	0.0	0.0	0.0	5.1	4.5
7331	17561765.82	4927868.15	3.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	42.6	0.4	-2.8	0.0	0.0	26.3	0.0	0.0	-9.3

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
7335	17561765.82	4927868.15	3.10	1	D	A	57.5	-0.4	0.0	0.0	0.0	48.9	0.8	-2.3	0.0	0.0	0.0	0.0	5.1	4.5
7337	17561765.82	4927868.15	2.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	42.6	0.4	-2.8	0.0	0.0	26.3	0.0	0.0	-9.3
7341	17561765.82	4927868.15	2.10	1	D	A	57.5	-0.4	0.0	0.0	0.0	48.9	0.8	-2.1	0.0	0.0	0.0	0.0	5.1	4.5
7345	17561765.82	4927868.15	5.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	42.6	0.4	-2.8	0.0	0.0	26.3	0.0	0.0	-9.3
7350	17561765.82	4927868.15	5.10	1	D	A	57.5	-0.4	0.0	0.0	0.0	48.9	0.8	-2.3	0.0	0.0	0.0	0.0	5.1	4.5
7352	17561765.82	4927868.15	8.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	42.7	0.4	-2.8	0.0	0.0	26.3	0.0	0.0	-9.4
7354	17561765.82	4927868.15	8.10	1	D	A	57.5	-0.4	0.0	0.0	0.0	49.0	0.8	-2.3	0.0	0.0	0.0	0.0	5.1	4.5
7355	17561765.82	4927868.15	9.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	42.7	0.4	-2.8	0.0	0.0	26.4	0.0	0.0	-9.6
7357	17561765.82	4927868.15	9.10	1	D	A	57.5	-0.4	0.0	0.0	0.0	49.0	0.8	-2.3	0.0	0.0	0.0	0.0	5.1	4.5
7358	17561765.82	4927868.15	7.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	42.6	0.4	-2.8	0.0	0.0	26.3	0.0	0.0	-9.3
7360	17561765.82	4927868.15	7.10	1	D	A	57.5	-0.4	0.0	0.0	0.0	48.9	0.8	-2.3	0.0	0.0	0.0	0.0	5.1	4.5
7361	17561765.82	4927868.15	6.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	42.6	0.4	-2.8	0.0	0.0	26.3	0.0	0.0	-9.3
7363	17561765.82	4927868.15	6.10	1	D	A	57.5	-0.4	0.0	0.0	0.0	48.9	0.8	-2.3	0.0	0.0	0.0	0.0	5.1	4.5
7365	17561770.96	4927830.21	6.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	43.8	0.5	-2.8	0.0	0.0	26.6	0.0	0.0	-10.8
7366	17561770.96	4927830.21	5.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	43.8	0.5	-2.8	0.0	0.0	26.6	0.0	0.0	-10.8
7367	17561770.96	4927830.21	7.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	43.8	0.5	-2.8	0.0	0.0	26.6	0.0	0.0	-10.8
7368	17561770.96	4927830.21	9.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	43.9	0.5	-2.8	0.0	0.0	26.8	0.0	0.0	-11.1
7369	17561770.96	4927830.21	8.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	43.8	0.5	-2.8	0.0	0.0	26.6	0.0	0.0	-10.8
7370	17561770.96	4927830.21	4.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	43.7	0.5	-2.8	0.0	0.0	26.6	0.0	0.0	-10.8
7371	17561770.96	4927830.21	1.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	43.7	0.5	-2.9	0.0	0.0	26.6	0.0	0.0	-10.7
7372	17561770.96	4927830.21	2.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	43.7	0.5	-2.8	0.0	0.0	26.6	0.0	0.0	-10.8
7373	17561770.96	4927830.21	3.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	43.7	0.5	-2.8	0.0	0.0	26.6	0.0	0.0	-10.8
7381	17561765.82	4927868.15	0.30	1	D	A	57.5	-2.6	0.0	0.0	0.0	48.9	0.8	-3.0	0.0	0.0	0.0	0.0	5.1	3.1

Receiver  
 Name: OPOR4  
 ID: OPOR4  
 X: 17561784.90 m  
 Y: 4927814.15 m  
 Z: 1.50 m

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	Optime dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr dB(A)
24	17561774.04	4927826.54	6.10	0	D	A	58.6	6.3	0.0	0.0	0.0	35.7	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	29.9
44	17561778.28	4927827.12	6.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.7	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	30.6
77	17561782.52	4927827.71	6.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.2	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	31.2
79	17561786.76	4927828.29	6.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.5	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	31.0
81	17561774.04	4927826.54	6.10	1	D	A	58.6	6.3	0.0	0.0	0.0	50.6	0.9	-2.0	0.0	0.0	15.5	0.0	2.1	-2.3
82	17561778.28	4927827.12	6.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.0	1.0	-1.9	0.0	0.0	15.5	0.0	2.1	-2.7
93	17561782.52	4927827.71	6.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.3	1.0	-1.9	0.0	0.0	15.4	0.0	3.4	-4.3
95	17561786.76	4927828.29	6.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.7	1.0	-1.8	0.0	0.0	15.4	0.0	3.4	-4.7
108	17561774.04	4927826.54	5.10	0	D	A	58.6	6.3	0.0	0.0	0.0	35.5	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	30.1
132	17561778.28	4927827.12	5.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.5	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	30.8
134	17561782.52	4927827.71	5.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.1	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	31.3
147	17561786.76	4927828.29	5.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.4	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	31.1
159	17561774.04	4927826.54	5.10	1	D	A	58.6	6.3	0.0	0.0	0.0	50.6	0.9	-2.0	0.0	0.0	15.8	0.0	2.1	-2.6
161	17561778.28	4927827.12	5.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.0	1.0	-1.9	0.0	0.0	15.7	0.0	2.1	-3.0
171	17561782.52	4927827.71	5.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.3	1.0	-1.9	0.0	0.0	15.7	0.0	3.4	-4.6
181	17561786.76	4927828.29	5.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.7	1.0	-1.8	0.0	0.0	15.6	0.0	3.4	-5.0
184	17561771.97	4927826.25	5.10	2	D	A	58.6	-9.9	0.0	0.0	0.0	43.0	0.4	-0.4	0.0	0.0	0.0	0.0	4.0	1.6
195	17561774.04	4927826.54	7.10	0	D	A	58.6	6.3	0.0	0.0	0.0	35.8	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	29.8
197	17561778.28	4927827.12	7.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.9	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	30.4
210	17561782.52	4927827.71	7.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.4	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	31.0
223	17561786.76	4927828.29	7.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.7	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	30.8
245	17561774.04	4927826.54	7.10	1	D	A	58.6	6.3	0.0	0.0	0.0	50.6	0.9	-2.0	0.0	0.0	15.2	0.0	2.1	-2.0
268	17561778.28	4927827.12	7.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.0	1.0	-1.9	0.0	0.0	15.2	0.0	2.1	-2.4
270	17561782.52	4927827.71	7.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.3	1.0	-1.9	0.0	0.0	15.1	0.0	3.3	-4.0
282	17561786.76	4927828.29	7.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.7	1.0	-1.8	0.0	0.0	15.1	0.0	3.4	-4.4
297	17561776.16	4927826.83	9.10	0	D	A	58.6	9.3	0.0	0.0	0.0	35.7	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	32.5
299	17561782.52	4927827.71	9.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.9	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	30.5
308	17561786.76	4927828.29	9.10	0	D	A	58.6	6.3	0.0	0.0	0.0	35.2	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	30.3
326	17561776.16	4927826.83	9.10	1	D	A	58.6	9.3	0.0	0.0	0.0	50.8	0.9	-1.9	0.0	0.0	14.6	0.0	2.1	1.4
336	17561782.52	4927827.71	9.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.3	1.0	-1.9	0.0	0.0	14.6	0.0	3.3	-3.5
356	17561786.76	4927828.29	9.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.7	1.0	-1.8	0.0	0.0	14.6	0.0	3.3	-3.9
370	17561774.04	4927826.54	8.10	0	D	A	58.6	6.3	0.0	0.0	0.0	36.0	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	29.6
372	17561778.28	4927827.12	8.10	0	D	A	58.6	6.3	0.0	0.0	0.0	35.1	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	30.2
383	17561782.52	4927827.71	8.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.7	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	30.7
403	17561786.76	4927828.29	8.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.9	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	30.5
413	17561774.04	4927826.54	8.10	1	D	A	58.6	6.3	0.0	0.0	0.0	50.6	0.9	-2.0	0.0	0.0	14.9	0.0	2.1	-1.7
424	17561778.28	4927827.12	8.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.0	1.0	-1.9	0.0	0.0	14.9	0.0	2.1	-2.1
436	17561782.52	4927827.71	8.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.3	1.0	-1.9	0.0	0.0	14.9	0.0	3.3	-3.8
463	17561786.76	4927828.29	8.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.7	1.0	-1.8	0.0	0.0	14.9	0.0	3.3	-4.2
476	17561774.04	4927826.54	2.10	0	D	A	58.6	6.3	0.0	0.0	0.0	35.3	0.2	-0.8	0.0	0.0	0.0	0.0	0.0	30.2
486	17561778.28	4927827.12	2.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.3	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	31.0
488	17561782.52	4927827.71	2.10	0	D	A	58.6	6.3	0.0	0.0	0.0	33.8	0.2	-0.6	0.0	0.0	0.0	0.0	0.0	31.6
498	17561786.76	4927828.29	2.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.1	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	31.4
509	17561774.04	4927826.54	2.10	1	D	A	58.6	6.3	0.0	0.0	0.0	50.6	0.9	-2.2	0.0	0.0	19.8	0.0	2.3	-6.5
511	17561778.28	4927827.12	2.10	1	D	A	58.6	6.3	0.0	0.0	0.0	50.9	1.0	-2.1	0.0	0.0	19.7	0.0	2.3	-6.8
513	17561782.52	4927827.71	2.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.3	1.0	-2.0	0.0	0.0	19.5	0.0	4.1	-9.0
525	17561786.76	4927828.29	2.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.7	1.0	-1.9	0.0	0.0	19.4	0.0	4.1	-9.3
530	17561771.97	4927826.25	2.10	2	D	A	58.6	-9.9	0.0	0.0	0.0	43.0	0.4	-0.3	0.0	0.0	0.0	0.0	4.0	1.6
546	17561774.04	4927826.54	1.10	0	D	A	58.6	6.3	0.0	0.0	0.0	35.3	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	30.0
574	17561778.28	4927827.12	1.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.3	0.2	-0.3	0.0	0.0	0.0	0.0	0.0	30.8
585	17561782.52	4927827.71	1.10	0	D	A	58.6	6.3	0.0	0.0	0.0	33.8	0.2	-0.4	0.0	0.0	0.0	0.0	0.0	31.4
587	17561786.76	4927828.29	1.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.1	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	31.2

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
589	17561774.04	4927826.54	1.10	1	D	A	58.6	6.3	0.0	0.0	0.0	50.6	0.9	-2.7	0.0	0.0	20.6	0.0	2.3	-6.7
598	17561778.28	4927827.12	1.10	1	D	A	58.6	6.3	0.0	0.0	0.0	50.9	1.0	-2.6	0.0	0.0	20.5	0.0	2.3	-7.1
600	17561782.52	4927827.71	1.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.3	1.0	-2.4	0.0	0.0	20.2	0.0	4.1	-9.2
610	17561786.76	4927828.29	1.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.7	1.0	-2.2	0.0	0.0	19.9	0.0	4.1	-9.6
623	17561771.97	4927826.25	1.10	2	D	A	58.6	-9.9	0.0	0.0	0.0	43.0	0.4	0.0	0.0	0.0	0.0	0.0	4.0	1.3
644	17561774.04	4927826.54	4.10	0	D	A	58.6	6.3	0.0	0.0	0.0	35.4	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	30.2
646	17561778.28	4927827.12	4.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.4	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	30.9
656	17561782.52	4927827.71	4.10	0	D	A	58.6	6.3	0.0	0.0	0.0	33.9	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	31.5
666	17561786.76	4927828.29	4.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.2	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	31.3
685	17561774.04	4927826.54	4.10	1	D	A	58.6	6.3	0.0	0.0	0.0	50.6	0.9	-2.0	0.0	0.0	16.0	0.0	2.1	-2.8
687	17561778.28	4927827.12	4.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.0	1.0	-1.9	0.0	0.0	16.0	0.0	2.1	-3.2
696	17561782.52	4927827.71	4.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.3	1.0	-1.9	0.0	0.0	15.9	0.0	3.4	-4.8
707	17561786.76	4927828.29	4.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.7	1.0	-1.8	0.0	0.0	15.9	0.0	3.4	-5.2
719	17561771.97	4927826.25	4.10	2	D	A	58.6	-9.9	0.0	0.0	0.0	43.0	0.4	-0.4	0.0	0.0	0.0	0.0	4.0	1.6
732	17561774.04	4927826.54	3.10	0	D	A	58.6	6.3	0.0	0.0	0.0	35.4	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	30.2
743	17561778.28	4927827.12	3.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.3	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	31.0
754	17561782.52	4927827.71	3.10	0	D	A	58.6	6.3	0.0	0.0	0.0	33.8	0.2	-0.6	0.0	0.0	0.0	0.0	0.0	31.6
765	17561786.76	4927828.29	3.10	0	D	A	58.6	6.3	0.0	0.0	0.0	34.1	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	31.3
776	17561774.04	4927826.54	3.10	1	D	A	58.6	6.3	0.0	0.0	0.0	50.6	0.9	-1.9	0.0	0.0	19.3	0.0	2.3	-6.2
787	17561778.28	4927827.12	3.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.0	1.0	-1.9	0.0	0.0	19.2	0.0	2.3	-6.6
798	17561782.52	4927827.71	3.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.3	1.0	-1.9	0.0	0.0	19.1	0.0	4.1	-8.7
809	17561786.76	4927828.29	3.10	1	D	A	58.6	6.3	0.0	0.0	0.0	51.7	1.0	-1.8	0.0	0.0	19.1	0.0	4.1	-9.1
820	17561771.97	4927826.25	3.10	2	D	A	58.6	-9.9	0.0	0.0	0.0	43.0	0.4	-0.4	0.0	0.0	0.0	0.0	4.0	1.6
831	17561776.16	4927826.83	0.30	0	D	A	58.6	7.1	0.0	0.0	0.0	34.8	0.2	-0.0	0.0	0.0	0.0	0.0	0.0	30.8
842	17561784.64	4927828.00	0.30	0	D	A	58.6	7.1	0.0	0.0	0.0	33.9	0.2	-0.4	0.0	0.0	0.0	0.0	0.0	32.0
844	17561776.16	4927826.83	0.30	1	D	A	58.6	7.1	0.0	0.0	0.0	50.8	0.9	-3.5	0.0	0.0	21.6	0.0	2.3	-6.4
874	17561784.64	4927828.00	0.30	1	D	A	58.6	7.1	0.0	0.0	0.0	51.5	1.0	-3.4	0.0	0.0	21.3	0.0	4.1	-8.8
885	17561771.97	4927826.25	0.30	2	D	A	58.6	-12.1	0.0	0.0	0.0	43.0	0.4	0.1	0.0	0.0	0.0	0.0	4.0	-1.1

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
889	17561788.74	4927836.69	3.10	0	D	A	57.5	9.1	0.0	0.0	0.0	38.2	0.3	-1.5	0.0	0.0	16.2	0.0	0.0	13.5
912	17561788.32	4927839.95	3.10	2	D	A	57.5	1.8	0.0	0.0	0.0	52.7	1.1	-0.1	0.0	0.0	0.0	0.0	4.0	1.6
924	17561788.74	4927836.69	4.10	0	D	A	57.5	9.1	0.0	0.0	0.0	38.2	0.3	-1.5	0.0	0.0	16.1	0.0	0.0	13.5
926	17561788.32	4927839.95	4.10	2	D	A	57.5	1.8	0.0	0.0	0.0	52.7	1.1	-0.1	0.0	0.0	0.0	0.0	4.0	1.6
936	17561788.74	4927836.69	1.10	0	D	A	57.5	9.1	0.0	0.0	0.0	38.2	0.3	-1.3	0.0	0.0	16.4	0.0	0.0	13.1
944	17561788.32	4927839.95	1.10	2	D	A	57.5	1.8	0.0	0.0	0.0	52.7	1.1	-0.2	0.0	0.0	0.0	0.0	4.0	1.7
954	17561788.74	4927836.69	2.10	0	D	A	57.5	9.1	0.0	0.0	0.0	38.2	0.3	-1.5	0.0	0.0	16.2	0.0	0.0	13.4
964	17561788.32	4927839.95	2.10	2	D	A	57.5	1.8	0.0	0.0	0.0	52.7	1.1	-0.2	0.0	0.0	0.0	0.0	4.0	1.7
1019	17561788.74	4927836.69	5.10	0	D	A	57.5	9.1	0.0	0.0	0.0	38.3	0.3	-1.5	0.0	0.0	16.1	0.0	0.0	13.5
1045	17561788.32	4927839.95	5.10	2	D	A	57.5	1.8	0.0	0.0	0.0	52.7	1.1	-0.1	0.0	0.0	0.0	0.0	4.0	1.5
1053	17561788.74	4927836.69	8.10	0	D	A	57.5	9.1	0.0	0.0	0.0	38.5	0.3	-1.5	0.0	0.0	16.0	0.0	0.0	13.3
1056	17561788.32	4927839.95	8.10	2	D	A	57.5	1.8	0.0	0.0	0.0	52.7	1.1	-0.1	0.0	0.0	0.0	0.0	4.0	1.5
1063	17561788.74	4927836.69	9.10	0	D	A	57.5	9.1	0.0	0.0	0.0	38.6	0.3	-1.5	0.0	0.0	16.0	0.0	0.0	13.2
1074	17561788.30	4927840.05	9.10	2	D	A	57.5	1.1	0.0	0.0	0.0	52.7	1.1	-0.1	0.0	0.0	0.0	0.0	4.0	0.9
1096	17561788.40	4927839.31	9.10	2	D	A	57.5	-6.8	0.0	0.0	0.0	52.7	1.1	-0.1	0.0	0.0	0.0	0.0	4.0	-7.0
1102	17561788.74	4927836.69	6.10	0	D	A	57.5	9.1	0.0	0.0	0.0	38.4	0.3	-1.5	0.0	0.0	16.1	0.0	0.0	13.4
1103	17561788.32	4927839.95	6.10	2	D	A	57.5	1.8	0.0	0.0	0.0	52.7	1.1	-0.1	0.0	0.0	0.0	0.0	4.0	1.5
1122	17561788.74	4927836.69	7.10	0	D	A	57.5	9.1	0.0	0.0	0.0	38.4	0.3	-1.5	0.0	0.0	16.1	0.0	0.0	13.4
1131	17561788.32	4927839.95	7.10	2	D	A	57.5	1.8	0.0	0.0	0.0	52.7	1.1	-0.1	0.0	0.0	0.0	0.0	4.0	1.5
1140	17561788.60	4927830.60	3.10	0	D	A	57.5	6.0	0.0	0.0	0.0	35.6	0.2	-1.0	0.0	0.0	11.4	0.0	0.0	17.4
1149	17561788.88	4927828.61	3.10	0	D	A	57.5	-13.0	0.0	0.0	0.0	34.6	0.2	-0.8	0.0	0.0	0.0	0.0	0.0	10.5
1168	17561788.60	4927830.60	4.10	0	D	A	57.5	6.0	0.0	0.0	0.0	35.6	0.2	-1.0	0.0	0.0	11.4	0.0	0.0	17.4
1178	17561788.88	4927828.61	4.10	0	D	A	57.5	-13.0	0.0	0.0	0.0	34.6	0.2	-0.8	0.0	0.0	0.0	0.0	0.0	10.5
1197	17561788.60	4927830.60	1.10	0	D	A	57.5	6.0	0.0	0.0	0.0	35.5	0.2	-0.8	0.0	0.0	11.5	0.0	0.0	17.1
1206	17561788.88	4927828.61	1.10	0	D	A	57.5	-13.0	0.0	0.0	0.0	34.5	0.2	-0.6	0.0	0.0	0.0	0.0	0.0	10.4
1227	17561788.60	4927830.60	2.10	0	D	A	57.5	6.0	0.0	0.0	0.0	35.5	0.2	-1.0	0.0	0.0	11.4	0.0	0.0	17.4
1237	17561788.88	4927828.61	2.10	0	D	A	57.5	-13.0	0.0	0.0	0.0	34.5	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	10.5
1263	17561788.60	4927830.60	5.10	0	D	A	57.5	6.0	0.0	0.0	0.0	35.7	0.2	-1.0	0.0	0.0	11.3	0.0	0.0	17.3
1273	17561788.88	4927828.61	5.10	0	D	A	57.5	-13.0	0.0	0.0	0.0	34.8	0.2	-0.8	0.0	0.0	0.0	0.0	0.0	10.3
1290	17561788.60	4927830.60	8.10	0	D	A	57.5	6.0	0.0	0.0	0.0	36.2	0.2	-1.0	0.0	0.0	11.2	0.0	0.0	17.0
1298	17561788.88	4927828.61	8.10	0	D	A	57.5	-13.0	0.0	0.0	0.0	35.3	0.2	-0.8	0.0	0.0	0.0	0.0	0.0	9.8

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB(A))
1317	17561788.60	4927830.60	9.10	0	D	A	57.5	6.0	0.0	0.0	0.0	36.3	0.2	-1.0	0.0	0.0	11.1	0.0	0.0	16.9
1328	17561788.88	4927828.61	9.10	0	D	A	57.5	-13.0	0.0	0.0	0.0	35.5	0.2	-0.8	0.0	0.0	0.0	0.0	0.0	9.6
1349	17561788.60	4927830.60	6.10	0	D	A	57.5	6.0	0.0	0.0	0.0	35.8	0.2	-1.0	0.0	0.0	11.3	0.0	0.0	17.2
1360	17561788.88	4927828.61	6.10	0	D	A	57.5	-13.0	0.0	0.0	0.0	34.9	0.2	-0.8	0.0	0.0	0.0	0.0	0.0	10.2
1382	17561788.60	4927830.60	7.10	0	D	A	57.5	6.0	0.0	0.0	0.0	36.0	0.2	-1.0	0.0	0.0	11.2	0.0	0.0	17.1
1393	17561788.88	4927828.61	7.10	0	D	A	57.5	-13.0	0.0	0.0	0.0	35.1	0.2	-0.8	0.0	0.0	0.0	0.0	0.0	10.0
1711	17561788.74	4927836.69	0.30	0	D	A	57.5	6.8	0.0	0.0	0.0	38.2	0.3	-2.2	0.0	0.0	16.2	0.0	0.0	11.9
1722	17561788.32	4927839.95	0.30	2	D	A	57.5	-0.5	0.0	0.0	0.0	52.7	1.1	-1.6	0.0	0.0	0.0	0.0	4.0	0.9
2030	17561788.60	4927830.60	0.30	0	D	A	57.5	3.8	0.0	0.0	0.0	35.6	0.2	-1.1	0.0	0.0	11.5	0.0	0.0	15.1
2040	17561788.88	4927828.61	0.30	0	D	A	57.5	-15.3	0.0	0.0	0.0	34.5	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	8.1
2061	17561786.43	4927853.67	9.10	0	D	A	57.5	10.8	0.0	0.0	0.0	43.1	0.4	-2.1	0.0	0.0	20.4	0.0	0.0	6.5
2071	17561786.97	4927849.70	9.10	2	D	A	57.5	6.0	0.0	0.0	0.0	52.9	1.2	-0.0	0.0	0.0	0.0	0.0	4.0	5.5
2082	17561786.43	4927853.67	9.10	1	D	A	57.5	10.8	0.0	0.0	0.0	52.0	1.1	0.1	0.0	0.0	0.0	0.0	2.0	13.2
2104	17561786.43	4927853.67	8.10	0	D	A	57.5	10.8	0.0	0.0	0.0	43.1	0.4	-2.1	0.0	0.0	20.5	0.0	0.0	6.5
2116	17561786.97	4927849.70	8.10	2	D	A	57.5	6.0	0.0	0.0	0.0	52.9	1.2	-0.0	0.0	0.0	0.0	0.0	4.0	5.5
2127	17561786.43	4927853.67	8.10	1	D	A	57.5	10.8	0.0	0.0	0.0	52.0	1.1	0.1	0.0	0.0	0.0	0.0	2.0	13.2
2149	17561786.43	4927853.67	3.10	0	D	A	57.5	10.8	0.0	0.0	0.0	42.9	0.4	-2.1	0.0	0.0	20.5	0.0	0.0	6.6
2160	17561786.97	4927849.70	3.10	2	D	A	57.5	6.0	0.0	0.0	0.0	52.9	1.2	-0.0	0.0	0.0	0.0	0.0	4.0	5.6
2171	17561786.43	4927853.67	3.10	1	D	A	57.5	10.8	0.0	0.0	0.0	51.9	1.1	0.1	0.0	0.0	0.0	0.0	2.0	13.2
2193	17561786.43	4927853.67	2.10	0	D	A	57.5	10.8	0.0	0.0	0.0	42.9	0.4	-2.1	0.0	0.0	20.5	0.0	0.0	6.5
2205	17561786.97	4927849.70	2.10	2	D	A	57.5	6.0	0.0	0.0	0.0	52.9	1.2	-0.2	0.0	0.0	0.0	0.0	4.0	5.7
2216	17561786.43	4927853.67	2.10	1	D	A	57.5	10.8	0.0	0.0	0.0	51.9	1.1	-0.1	0.0	0.0	0.0	0.0	2.0	13.4
2238	17561786.43	4927853.67	1.10	0	D	A	57.5	10.8	0.0	0.0	0.0	42.9	0.4	-2.2	0.0	0.0	20.6	0.0	0.0	6.6
2249	17561786.97	4927849.70	1.10	2	D	A	57.5	6.0	0.0	0.0	0.0	52.9	1.2	-0.1	0.0	0.0	0.0	0.0	4.0	5.7
2260	17561786.43	4927853.67	1.10	1	D	A	57.5	10.8	0.0	0.0	0.0	51.9	1.1	-0.1	0.0	0.0	0.0	0.0	2.0	13.4
2282	17561786.43	4927853.67	4.10	0	D	A	57.5	10.8	0.0	0.0	0.0	43.0	0.4	-2.1	0.0	0.0	20.5	0.0	0.0	6.6
2293	17561786.97	4927849.70	4.10	2	D	A	57.5	6.0	0.0	0.0	0.0	52.9	1.2	0.0	0.0	0.0	0.0	0.0	4.0	5.5
2304	17561786.43	4927853.67	4.10	1	D	A	57.5	10.8	0.0	0.0	0.0	51.9	1.1	0.1	0.0	0.0	0.0	0.0	2.0	13.2
2326	17561786.43	4927853.67	7.10	0	D	A	57.5	10.8	0.0	0.0	0.0	43.0	0.4	-2.1	0.0	0.0	20.5	0.0	0.0	6.5
2337	17561786.97	4927849.70	7.10	2	D	A	57.5	6.0	0.0	0.0	0.0	52.9	1.2	-0.0	0.0	0.0	0.0	0.0	4.0	5.5
2347	17561786.43	4927853.67	7.10	1	D	A	57.5	10.8	0.0	0.0	0.0	51.9	1.1	0.1	0.0	0.0	0.0	0.0	2.0	13.2
2368	17561786.43	4927853.67	6.10	0	D	A	57.5	10.8	0.0	0.0	0.0	43.0	0.4	-2.1	0.0	0.0	20.5	0.0	0.0	6.6
2379	17561786.97	4927849.70	6.10	2	D	A	57.5	6.0	0.0	0.0	0.0	52.9	1.2	-0.0	0.0	0.0	0.0	0.0	4.0	5.5
2390	17561786.43	4927853.67	6.10	1	D	A	57.5	10.8	0.0	0.0	0.0	51.9	1.1	0.1	0.0	0.0	0.0	0.0	2.0	13.2
2412	17561786.43	4927853.67	5.10	0	D	A	57.5	10.8	0.0	0.0	0.0	43.0	0.4	-2.1	0.0	0.0	20.5	0.0	0.0	6.6
2423	17561786.97	4927849.70	5.10	2	D	A	57.5	6.0	0.0	0.0	0.0	52.9	1.2	-0.0	0.0	0.0	0.0	0.0	4.0	5.5
2434	17561786.43	4927853.67	5.10	1	D	A	57.5	10.8	0.0	0.0	0.0	51.9	1.1	0.1	0.0	0.0	0.0	0.0	2.0	13.2
3020	17561786.43	4927853.67	0.30	0	D	A	57.5	8.6	0.0	0.0	0.0	42.9	0.4	-2.5	0.0	0.0	20.6	0.0	0.0	4.7
3031	17561786.97	4927849.70	0.30	2	D	A	57.5	3.8	0.0	0.0	0.0	52.9	1.2	-1.6	0.0	0.0	0.0	0.0	4.0	4.9
3042	17561786.43	4927853.67	0.30	1	D	A	57.5	8.6	0.0	0.0	0.0	51.9	1.1	-1.5	0.0	0.0	0.0	0.0	2.0	12.6
3265	17561787.00	4927842.31	9.10	0	D	A	57.5	5.4	0.0	0.0	0.0	40.3	0.3	-1.8	0.0	0.0	21.2	0.0	0.0	2.9
3276	17561787.00	4927842.31	9.10	2	D	A	57.5	5.4	0.0	0.0	0.0	52.8	1.2	-0.1	0.0	0.0	0.0	0.0	4.0	5.0
3287	17561786.95	4927842.68	9.10	1	D	A	57.5	4.4	0.0	0.0	0.0	51.7	1.0	0.0	0.0	0.0	0.0	0.0	2.0	7.1
3298	17561787.00	4927842.31	3.10	0	D	A	57.5	5.4	0.0	0.0	0.0	40.0	0.3	-1.8	0.0	0.0	21.3	0.0	0.0	3.1
3309	17561787.00	4927842.31	3.10	2	D	A	57.5	5.4	0.0	0.0	0.0	52.8	1.2	-0.1	0.0	0.0	0.0	0.0	4.0	5.1
3320	17561786.95	4927842.68	3.10	1	D	A	57.5	4.4	0.0	0.0	0.0	51.7	1.0	0.0	0.0	0.0	0.0	0.0	2.0	7.1
3331	17561787.00	4927842.31	4.10	0	D	A	57.5	5.4	0.0	0.0	0.0	40.1	0.3	-1.8	0.0	0.0	21.3	0.0	0.0	3.1
3342	17561787.00	4927842.31	4.10	2	D	A	57.5	5.4	0.0	0.0	0.0	52.8	1.2	-0.1	0.0	0.0	0.0	0.0	4.0	5.1
3352	17561786.95	4927842.68	4.10	1	D	A	57.5	4.4	0.0	0.0	0.0	51.7	1.0	0.0	0.0	0.0	0.0	0.0	2.0	7.1
3363	17561787.00	4927842.31	1.10	0	D	A	57.5	5.4	0.0	0.0	0.0	40.0	0.3	-1.6	0.0	0.0	21.4	0.0	0.0	2.8
3374	17561787.00	4927842.31	1.10	2	D	A	57.5	5.4	0.0	0.0	0.0	52.8	1.2	-0.3	0.0	0.0	0.0	0.0	4.0	5.3
3384	17561786.95	4927842.68	1.10	1	D	A	57.5	4.4	0.0	0.0	0.0	51.7	1.0	-0.2	0.0	0.0	0.0	0.0	2.0	7.4
3395	17561787.00	4927842.31	2.10	0	D	A	57.5	5.4	0.0	0.0	0.0	40.0	0.3	-1.8	0.0	0.0	21.4	0.0	0.0	3.0
3406	17561787.00	4927842.31	2.10	2	D	A	57.5	5.4	0.0	0.0	0.0	52.8	1.2	-0.2	0.0	0.0	0.0	0.0	4.0	5.2
3417	17561786.95	4927842.68	2.10	1	D	A	57.5	4.4	0.0	0.0	0.0	51.7	1.0	-0.1	0.0	0.0	0.0	0.0	2.0	7.3
3428	17561787.00	4927842.31	7.10	0	D	A	57.5	5.4	0.0	0.0	0.0	40.2	0.3	-1.8	0.0	0.0	21.3	0.0	0.0	3.0
3439	17561787.00	4927842.31	7.10	2	D	A	57.5	5.4	0.0	0.0	0.0	52.8	1.2	-0.1	0.0	0.0	0.0	0.0	4.0	5.1
3450	17561786.95	4927842.68	7.10	1	D	A	57.5	4.4	0.0	0.0	0.0	51.7	1.0	0.0	0.0	0.0	0.0	0.0	2.0	7.1
3461	17561787.00	4927842.31	8.10	0	D	A	57.5	5.4	0.0	0.0	0.0	40.2	0.3	-1.8	0.0	0.0	21.2	0.0	0.0	3.0
3472	17561787.00	4927842.31	8.10	2	D	A	57.5	5.4	0.0	0.0	0.0	52.8	1.2	-0.1	0.0	0.0	0.0	0.0	4.0	5.1
3483	17561786.95	4927842.68	8.10	1	D	A	57.5	4.4	0.0	0.0	0.0	51.7	1.0	0.0	0.0	0.0	0.0	0.0	2.0	7.1
3494	17561787.00	4927842.31	5.10	0	D	A	57.5	5.4	0.0	0.0	0.0	40.1	0.3	-1.8	0.0	0.0	21.3	0.0	0.0	3.1
3505	17561787.00	4927842.31	5.10	2	D	A	57.5	5.4	0.0	0.0	0.0	52.8	1.2	-0.1	0.0	0.0	0.0	0.0	4.0	5.1

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																					
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr	
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	
3516	17561786.95	4927842.68	5.10	1	D	A	57.5	4.4	0.0	0.0	0.0	51.7	1.0	0.0	0.0	0.0	0.0	0.0	2.0	7.1	
3527	17561787.00	4927842.31	6.10	0	D	A	57.5	5.4	0.0	0.0	0.0	40.1	0.3	-1.8	0.0	0.0	21.3	0.0	0.0	3.0	
3538	17561787.00	4927842.31	6.10	2	D	A	57.5	5.4	0.0	0.0	0.0	52.8	1.2	-0.1	0.0	0.0	0.0	0.0	4.0	5.1	
3549	17561786.95	4927842.68	6.10	1	D	A	57.5	4.4	0.0	0.0	0.0	51.7	1.0	0.0	0.0	0.0	0.0	0.0	2.0	7.1	
3560	17561785.15	4927845.60	6.10	0	D	A	57.5	5.6	0.0	0.0	0.0	41.0	0.3	-1.9	0.0	0.0	22.9	0.0	0.0	0.8	
3573	17561785.15	4927845.60	6.10	2	D	A	57.5	5.6	0.0	0.0	0.0	52.9	1.2	-0.0	0.0	0.0	0.0	0.0	4.0	5.0	
3595	17561785.15	4927845.60	6.10	1	D	A	57.5	5.6	0.0	0.0	0.0	51.9	1.1	0.1	0.0	0.0	0.0	0.0	2.0	8.1	
3606	17561784.95	4927846.98	6.10	2	D	A	57.5	-0.8	0.0	0.0	0.0	52.0	1.1	0.1	0.0	0.0	0.0	0.0	6.8	-3.2	
3617	17561785.15	4927845.60	5.10	0	D	A	57.5	5.6	0.0	0.0	0.0	41.0	0.3	-1.9	0.0	0.0	22.9	0.0	0.0	0.8	
3628	17561785.15	4927845.60	5.10	2	D	A	57.5	5.6	0.0	0.0	0.0	52.9	1.2	-0.0	0.0	0.0	0.0	0.0	4.0	5.0	
3649	17561785.15	4927845.60	5.10	1	D	A	57.5	5.6	0.0	0.0	0.0	51.9	1.1	0.1	0.0	0.0	0.0	0.0	2.0	8.1	
3660	17561784.95	4927846.98	5.10	2	D	A	57.5	-0.8	0.0	0.0	0.0	52.0	1.1	0.1	0.0	0.0	0.0	0.0	6.8	-3.2	
3671	17561785.15	4927845.60	4.10	0	D	A	57.5	5.6	0.0	0.0	0.0	41.0	0.3	-1.9	0.0	0.0	22.9	0.0	0.0	0.8	
3682	17561785.15	4927845.60	4.10	2	D	A	57.5	5.6	0.0	0.0	0.0	52.9	1.2	-0.0	0.0	0.0	0.0	0.0	4.0	5.0	
3705	17561785.15	4927845.60	4.10	1	D	A	57.5	5.6	0.0	0.0	0.0	51.9	1.1	0.1	0.0	0.0	0.0	0.0	2.0	8.1	
3716	17561784.95	4927846.98	4.10	2	D	A	57.5	-0.8	0.0	0.0	0.0	52.0	1.1	0.1	0.0	0.0	0.0	0.0	6.8	-3.2	
3727	17561785.15	4927845.60	9.10	0	D	A	57.5	5.6	0.0	0.0	0.0	41.2	0.4	-1.9	0.0	0.0	22.8	0.0	0.0	0.7	
3737	17561785.15	4927845.60	9.10	2	D	A	57.5	5.6	0.0	0.0	0.0	53.0	1.2	-0.0	0.0	0.0	0.0	0.0	4.0	5.0	
3748	17561785.15	4927845.60	9.10	1	D	A	57.5	5.6	0.0	0.0	0.0	51.9	1.1	0.1	0.0	0.0	0.0	0.0	2.0	8.1	
3759	17561784.95	4927846.98	9.10	2	D	A	57.5	-0.8	0.0	0.0	0.0	52.0	1.1	0.1	0.0	0.0	0.0	0.0	6.8	-3.2	
3770	17561785.15	4927845.60	8.10	0	D	A	57.5	5.6	0.0	0.0	0.0	41.1	0.4	-1.9	0.0	0.0	22.8	0.0	0.0	0.7	
3781	17561785.15	4927845.60	8.10	2	D	A	57.5	5.6	0.0	0.0	0.0	53.0	1.2	-0.0	0.0	0.0	0.0	0.0	4.0	5.0	
3792	17561785.15	4927845.60	8.10	1	D	A	57.5	5.6	0.0	0.0	0.0	51.9	1.1	0.1	0.0	0.0	0.0	0.0	2.0	8.1	
3803	17561784.95	4927846.98	8.10	2	D	A	57.5	-0.8	0.0	0.0	0.0	52.0	1.1	0.1	0.0	0.0	0.0	0.0	6.8	-3.2	
3814	17561785.15	4927845.60	7.10	0	D	A	57.5	5.6	0.0	0.0	0.0	41.1	0.3	-1.9	0.0	0.0	22.9	0.0	0.0	0.7	
3825	17561785.15	4927845.60	7.10	2	D	A	57.5	5.6	0.0	0.0	0.0	52.9	1.2	-0.0	0.0	0.0	0.0	0.0	4.0	5.0	
3847	17561785.15	4927845.60	7.10	1	D	A	57.5	5.6	0.0	0.0	0.0	51.9	1.1	0.1	0.0	0.0	0.0	0.0	2.0	8.1	
3857	17561784.95	4927846.98	7.10	2	D	A	57.5	-0.8	0.0	0.0	0.0	52.0	1.1	0.1	0.0	0.0	0.0	0.0	6.8	-3.2	
3868	17561785.15	4927845.60	3.10	0	D	A	57.5	5.6	0.0	0.0	0.0	41.0	0.3	-1.9	0.0	0.0	22.9	0.0	0.0	0.8	
3879	17561785.15	4927845.60	3.10	2	D	A	57.5	5.6	0.0	0.0	0.0	52.9	1.2	-0.1	0.0	0.0	0.0	0.0	4.0	5.1	
3901	17561785.15	4927845.60	3.10	1	D	A	57.5	5.6	0.0	0.0	0.0	51.9	1.1	0.0	0.0	0.0	0.0	0.0	2.0	8.1	
3912	17561784.95	4927846.98	3.10	2	D	A	57.5	-0.8	0.0	0.0	0.0	52.0	1.1	0.0	0.0	0.0	0.0	0.0	6.8	-3.2	
3923	17561785.15	4927845.60	1.10	0	D	A	57.5	5.6	0.0	0.0	0.0	41.0	0.3	-1.7	0.0	0.0	23.0	0.0	0.0	0.6	
3934	17561785.15	4927845.60	1.10	2	D	A	57.5	5.6	0.0	0.0	0.0	52.9	1.2	-0.4	0.0	0.0	0.0	0.0	4.0	5.4	
3956	17561785.15	4927845.60	1.10	1	D	A	57.5	5.6	0.0	0.0	0.0	51.9	1.1	-0.3	0.0	0.0	0.0	0.0	2.0	8.5	
3967	17561784.95	4927846.98	1.10	2	D	A	57.5	-0.8	0.0	0.0	0.0	52.0	1.1	-0.3	0.0	0.0	0.0	0.0	6.5	-2.5	
3978	17561785.15	4927845.60	2.10	0	D	A	57.5	5.6	0.0	0.0	0.0	41.0	0.3	-1.9	0.0	0.0	22.9	0.0	0.0	0.8	
3989	17561785.15	4927845.60	2.10	2	D	A	57.5	5.6	0.0	0.0	0.0	52.9	1.2	-0.2	0.0	0.0	0.0	0.0	4.0	5.2	
4011	17561785.15	4927845.60	2.10	1	D	A	57.5	5.6	0.0	0.0	0.0	51.9	1.1	-0.2	0.0	0.0	0.0	0.0	2.0	8.3	
4022	17561784.95	4927846.98	2.10	2	D	A	57.5	-0.8	0.0	0.0	0.0	52.0	1.1	-0.1	0.0	0.0	0.0	0.0	6.8	-2.9	
4033	17561784.64	4927866.53	9.10	0	D	A	57.5	9.1	0.0	0.0	0.0	45.5	0.6	-2.3	0.0	0.0	21.0	0.0	0.0	1.8	
4044	17561784.64	4927866.53	5.10	0	D	A	57.5	9.1	0.0	0.0	0.0	45.4	0.6	-2.3	0.0	0.0	21.1	0.0	0.0	1.8	
4055	17561784.64	4927866.53	4.10	0	D	A	57.5	9.1	0.0	0.0	0.0	45.4	0.6	-2.3	0.0	0.0	21.1	0.0	0.0	1.8	
4067	17561784.64	4927866.53	6.10	0	D	A	57.5	9.1	0.0	0.0	0.0	45.4	0.6	-2.3	0.0	0.0	21.1	0.0	0.0	1.8	
4078	17561784.64	4927866.53	7.10	0	D	A	57.5	9.1	0.0	0.0	0.0	45.4	0.6	-2.3	0.0	0.0	21.1	0.0	0.0	1.8	
4089	17561784.64	4927866.53	8.10	0	D	A	57.5	9.1	0.0	0.0	0.0	45.5	0.6	-2.3	0.0	0.0	21.1	0.0	0.0	1.8	
4100	17561784.64	4927866.53	1.10	0	D	A	57.5	9.1	0.0	0.0	0.0	45.4	0.5	-2.5	0.0	0.0	21.2	0.0	0.0	2.1	
4111	17561784.64	4927866.53	2.10	0	D	A	57.5	9.1	0.0	0.0	0.0	45.4	0.5	-2.2	0.0	0.0	21.1	0.0	0.0	1.8	
4122	17561784.64	4927866.53	3.10	0	D	A	57.5	9.1	0.0	0.0	0.0	45.4	0.5	-2.3	0.0	0.0	21.1	0.0	0.0	1.8	
4571	17561787.00	4927842.31	0.30	0	D	A	57.5	3.2	0.0	0.0	0.0	40.0	0.3	-2.3	0.0	0.0	21.5	0.0	0.0	1.3	
4582	17561787.00	4927842.31	0.30	2	D	A	57.5	3.2	0.0	0.0	0.0	52.8	1.2	-1.6	0.0	0.0	0.0	0.0	4.0	4.4	
4593	17561786.95	4927842.68	0.30	1	D	A	57.5	2.2	0.0	0.0	0.0	51.7	1.0	-1.6	0.0	0.0	0.0	0.0	2.0	6.5	
4604	17561788.79	4927832.62	7.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.9	0.2	-1.2	0.0	0.0	11.0	0.0	0.0	10.4	
4615	17561788.79	4927832.62	1.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.5	0.2	-1.0	0.0	0.0	11.3	0.0	0.0	10.3	
4626	17561788.79	4927832.62	9.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	37.2	0.2	-1.2	0.0	0.0	10.9	0.0	0.0	10.3	
4637	17561788.79	4927832.62	8.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	37.0	0.2	-1.2	0.0	0.0	10.9	0.0	0.0	10.4	
4648	17561788.79	4927832.62	4.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.6	0.2	-1.2	0.0	0.0	11.1	0.0	0.0	10.6	
4659	17561788.79	4927832.62	5.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.7	0.2	-1.2	0.0	0.0	11.1	0.0	0.0	10.6	
4670	17561788.79	4927832.62	6.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.8	0.2	-1.2	0.0	0.0	11.0	0.0	0.0	10.5	
4681	17561788.79	4927832.62	2.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.5	0.2	-1.2	0.0	0.0	11.2	0.0	0.0	10.6	
4692	17561788.79	4927832.62	3.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	36.6	0.2	-1.2	0.0	0.0	11.1	0.0	0.0	10.6	
4702	17561785.15	4927845.60	0.30	0	D	A	57.5	3.4	0.0	0.0	0.0	41.0	0.3	-2.4	0.0	0.0	23.1	0.0	0.0	-1.1	
4711	17561785.15	4927845.60	0.30	2	D	A	57.5	3.4	0.0	0.0	0.0	52.9	1.2	-1.6	0.0	0.0	0.0	0.0	4.0	4.4	

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
4730	17561785.15	4927845.60	0.30	1	D	A	57.5	3.4	0.0	0.0	0.0	51.9	1.1	-1.6	0.0	0.0	0.0	0.0	2.0	7.5
4740	17561784.95	4927846.98	0.30	2	D	A	57.5	-3.0	0.0	0.0	0.0	52.0	1.1	-1.6	0.0	0.0	0.0	0.0	6.8	-3.8
4760	17561786.07	4927847.55	3.10	0	D	A	57.5	3.8	0.0	0.0	0.0	41.5	0.4	-2.0	0.0	0.0	21.3	0.0	0.0	0.1
4770	17561786.07	4927847.55	3.10	2	D	A	57.5	3.8	0.0	0.0	0.0	52.9	1.2	-0.1	0.0	0.0	0.0	0.0	4.0	3.3
4790	17561786.07	4927847.55	3.10	1	D	A	57.5	3.8	0.0	0.0	0.0	51.9	1.1	0.1	0.0	0.0	0.0	0.0	2.0	6.3
4799	17561786.07	4927847.55	3.10	2	D	A	57.5	3.8	0.0	0.0	0.0	52.0	1.1	0.0	0.0	0.0	0.0	0.0	4.0	4.2
4807	17561786.07	4927847.55	2.10	0	D	A	57.5	3.8	0.0	0.0	0.0	41.5	0.4	-2.0	0.0	0.0	21.4	0.0	0.0	0.0
4817	17561786.07	4927847.55	2.10	2	D	A	57.5	3.8	0.0	0.0	0.0	52.9	1.2	-0.3	0.0	0.0	0.0	0.0	4.0	3.5
4837	17561786.07	4927847.55	2.10	1	D	A	57.5	3.8	0.0	0.0	0.0	51.9	1.1	-0.1	0.0	0.0	0.0	0.0	2.0	6.5
4847	17561786.07	4927847.55	2.10	2	D	A	57.5	3.8	0.0	0.0	0.0	52.0	1.1	-0.2	0.0	0.0	0.0	0.0	4.0	4.3
4857	17561786.07	4927847.55	6.10	0	D	A	57.5	3.8	0.0	0.0	0.0	41.6	0.4	-2.0	0.0	0.0	21.3	0.0	0.0	0.1
4867	17561786.07	4927847.55	6.10	2	D	A	57.5	3.8	0.0	0.0	0.0	52.9	1.2	-0.0	0.0	0.0	0.0	0.0	4.0	3.2
4887	17561786.07	4927847.55	6.10	1	D	A	57.5	3.8	0.0	0.0	0.0	51.9	1.1	0.1	0.0	0.0	0.0	0.0	2.0	6.3
4897	17561786.07	4927847.55	6.10	2	D	A	57.5	3.8	0.0	0.0	0.0	52.0	1.1	0.1	0.0	0.0	0.0	0.0	4.0	4.1
4907	17561786.07	4927847.55	5.10	0	D	A	57.5	3.8	0.0	0.0	0.0	41.5	0.4	-2.0	0.0	0.0	21.3	0.0	0.0	0.1
4917	17561786.07	4927847.55	5.10	2	D	A	57.5	3.8	0.0	0.0	0.0	52.9	1.2	-0.0	0.0	0.0	0.0	0.0	4.0	3.2
4937	17561786.07	4927847.55	5.10	1	D	A	57.5	3.8	0.0	0.0	0.0	51.9	1.1	0.1	0.0	0.0	0.0	0.0	2.0	6.3
4947	17561786.07	4927847.55	5.10	2	D	A	57.5	3.8	0.0	0.0	0.0	52.0	1.1	0.1	0.0	0.0	0.0	0.0	4.0	4.1
4957	17561786.07	4927847.55	4.10	0	D	A	57.5	3.8	0.0	0.0	0.0	41.5	0.4	-2.0	0.0	0.0	21.3	0.0	0.0	0.1
4966	17561786.07	4927847.55	4.10	2	D	A	57.5	3.8	0.0	0.0	0.0	52.9	1.2	-0.0	0.0	0.0	0.0	0.0	4.0	3.2
4986	17561786.07	4927847.55	4.10	1	D	A	57.5	3.8	0.0	0.0	0.0	51.9	1.1	0.1	0.0	0.0	0.0	0.0	2.0	6.3
4996	17561786.07	4927847.55	4.10	2	D	A	57.5	3.8	0.0	0.0	0.0	52.0	1.1	0.1	0.0	0.0	0.0	0.0	4.0	4.1
5005	17561786.07	4927847.55	1.10	0	D	A	57.5	3.8	0.0	0.0	0.0	41.5	0.4	-1.8	0.0	0.0	21.4	0.0	0.0	-0.2
5015	17561786.07	4927847.55	1.10	2	D	A	57.5	3.8	0.0	0.0	0.0	52.9	1.2	-0.3	0.0	0.0	0.0	0.0	4.0	3.6
5035	17561786.07	4927847.55	1.10	1	D	A	57.5	3.8	0.0	0.0	0.0	51.9	1.1	-0.2	0.0	0.0	0.0	0.0	2.0	6.6
5044	17561786.07	4927847.55	1.10	2	D	A	57.5	3.8	0.0	0.0	0.0	52.0	1.1	-0.4	0.0	0.0	0.0	0.0	4.0	4.6
5053	17561786.07	4927847.55	8.10	0	D	A	57.5	3.8	0.0	0.0	0.0	41.6	0.4	-2.0	0.0	0.0	21.2	0.0	0.0	0.0
5062	17561786.07	4927847.55	8.10	2	D	A	57.5	3.8	0.0	0.0	0.0	52.9	1.2	-0.0	0.0	0.0	0.0	0.0	4.0	3.2
5079	17561786.07	4927847.55	8.10	1	D	A	57.5	3.8	0.0	0.0	0.0	51.9	1.1	0.1	0.0	0.0	0.0	0.0	2.0	6.3
5088	17561786.07	4927847.55	8.10	2	D	A	57.5	3.8	0.0	0.0	0.0	52.0	1.1	0.1	0.0	0.0	0.0	0.0	4.0	4.1
5097	17561786.07	4927847.55	7.10	0	D	A	57.5	3.8	0.0	0.0	0.0	41.6	0.4	-2.0	0.0	0.0	21.3	0.0	0.0	0.0
5106	17561786.07	4927847.55	7.10	2	D	A	57.5	3.8	0.0	0.0	0.0	52.9	1.2	-0.0	0.0	0.0	0.0	0.0	4.0	3.2
5124	17561786.07	4927847.55	7.10	1	D	A	57.5	3.8	0.0	0.0	0.0	51.9	1.1	0.1	0.0	0.0	0.0	0.0	2.0	6.3
5132	17561786.07	4927847.55	7.10	2	D	A	57.5	3.8	0.0	0.0	0.0	52.0	1.1	0.1	0.0	0.0	0.0	0.0	4.0	4.1
5141	17561786.07	4927847.55	9.10	0	D	A	57.5	3.8	0.0	0.0	0.0	41.7	0.4	-2.0	0.0	0.0	21.2	0.0	0.0	0.0
5150	17561786.07	4927847.55	9.10	2	D	A	57.5	3.8	0.0	0.0	0.0	52.9	1.2	-0.0	0.0	0.0	0.0	0.0	4.0	3.2
5167	17561786.07	4927847.55	9.10	1	D	A	57.5	3.8	0.0	0.0	0.0	51.9	1.1	0.1	0.0	0.0	0.0	0.0	2.0	6.2
5176	17561786.07	4927847.55	9.10	2	D	A	57.5	3.8	0.0	0.0	0.0	52.1	1.1	0.1	0.0	0.0	0.0	0.0	4.0	4.1
5430	17561784.64	4927866.53	0.30	0	D	A	57.5	6.9	0.0	0.0	0.0	45.4	0.5	-2.5	0.0	0.0	21.2	0.0	0.0	-0.1
5637	17561788.79	4927832.62	0.30	0	D	A	57.5	-2.5	0.0	0.0	0.0	36.5	0.2	-1.7	0.0	0.0	11.2	0.0	0.0	8.9
5645	17561786.08	4927843.92	8.10	0	D	A	57.5	1.4	0.0	0.0	0.0	40.7	0.3	-1.9	0.0	0.0	23.0	0.0	0.0	-3.2
5670	17561786.08	4927843.92	9.10	0	D	A	57.5	1.4	0.0	0.0	0.0	40.8	0.3	-1.9	0.0	0.0	22.9	0.0	0.0	-3.2
5693	17561786.08	4927843.92	6.10	0	D	A	57.5	1.4	0.0	0.0	0.0	40.6	0.3	-1.9	0.0	0.0	23.0	0.0	0.0	-3.1
5717	17561786.08	4927843.92	7.10	0	D	A	57.5	1.4	0.0	0.0	0.0	40.6	0.3	-1.9	0.0	0.0	23.0	0.0	0.0	-3.2
5741	17561786.08	4927843.92	5.10	0	D	A	57.5	1.4	0.0	0.0	0.0	40.5	0.3	-1.9	0.0	0.0	23.0	0.0	0.0	-3.1
5763	17561786.08	4927843.92	4.10	0	D	A	57.5	1.4	0.0	0.0	0.0	40.5	0.3	-1.9	0.0	0.0	23.0	0.0	0.0	-3.1
5784	17561786.08	4927843.92	1.10	0	D	A	57.5	1.4	0.0	0.0	0.0	40.5	0.3	-1.7	0.0	0.0	23.1	0.0	0.0	-3.3
5804	17561786.08	4927843.92	3.10	0	D	A	57.5	1.4	0.0	0.0	0.0	40.5	0.3	-1.9	0.0	0.0	23.0	0.0	0.0	-3.1
5825	17561786.08	4927843.92	2.10	0	D	A	57.5	1.4	0.0	0.0	0.0	40.5	0.3	-1.8	0.0	0.0	23.0	0.0	0.0	-3.1
5847	17561787.73	4927840.64	8.10	0	D	A	57.5	-0.1	0.0	0.0	0.0	39.8	0.3	-1.7	0.0	0.0	21.4	0.0	0.0	-2.2
5854	17561787.73	4927840.64	7.10	0	D	A	57.5	-0.1	0.0	0.0	0.0	39.7	0.3	-1.7	0.0	0.0	21.4	0.0	0.0	-2.2
5861	17561787.73	4927840.64	6.10	0	D	A	57.5	-0.1	0.0	0.0	0.0	39.6	0.3	-1.7	0.0	0.0	21.4	0.0	0.0	-2.1
5868	17561787.73	4927840.64	3.10	0	D	A	57.5	-0.1	0.0	0.0	0.0	39.5	0.3	-1.7	0.0	0.0	21.4	0.0	0.0	-2.0
5875	17561787.73	4927840.64	4.10	0	D	A	57.5	-0.1	0.0	0.0	0.0	39.6	0.3	-1.7	0.0	0.0	21.4	0.0	0.0	-2.1
5882	17561787.73	4927840.64	2.10	0	D	A	57.5	-0.1	0.0	0.0	0.0	39.5	0.3	-1.7	0.0	0.0	21.4	0.0	0.0	-2.1
5889	17561787.73	4927840.64	9.10	0	D	A	57.5	-0.1	0.0	0.0	0.0	39.8	0.3	-1.7	0.0	0.0	21.3	0.0	0.0	-2.3
5896	17561787.73	4927840.64	1.10	0	D	A	57.5	-0.1	0.0	0.0	0.0	39.5	0.3	-1.5	0.0	0.0	21.5	0.0	0.0	-2.3
5903	17561787.73	4927840.64	5.10	0	D	A	57.5	-0.1	0.0	0.0	0.0	39.6	0.3	-1.7	0.0	0.0	21.4	0.0	0.0	-2.1
6026	17561784.46	4927860.93	5.10	0	D	A	57.5	4.6	0.0	0.0	0.0	44.4	0.5	-2.2	0.0	0.0	22.3	0.0	0.0	-2.9
6031	17561784.52	4927860.52	5.10	1	D	A	57.5	3.1	0.0	0.0	0.0	52.2	1.1	0.1	0.0	0.0	0.0	2.0	5.2	
6037	17561784.46	4927860.93	4.10	0	D	A	57.5	4.6	0.0	0.0	0.0	44.4	0.5	-2.2	0.0	0.0	22.3	0.0	0.0	-2.9
6043	17561784.52	4927860.52	4.10	1	D	A	57.5	3.1	0.0	0.0	0.0	52.2	1.1	0.1	0.0	0.0	0.0	2.0	5.2	
6050	17561784.46	4927860.93	7.10	0	D	A	57.5	4.6	0.0	0.0	0.0	44.5	0.5	-2.2	0.0	0.0	22.3	0.0	0.0	-2.9

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																					
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahouus	Abar	Cmet	RL	Lr	
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	
6056	17561784.52	4927860.52	7.10	1	D	A	57.5	3.1	0.0	0.0	0.0	52.2	1.1	0.1	0.0	0.0	0.0	0.0	2.0	5.2	
6062	17561784.46	4927860.93	6.10	0	D	A	57.5	4.6	0.0	0.0	0.0	44.4	0.5	-2.2	0.0	0.0	22.3	0.0	0.0	-2.9	
6068	17561784.52	4927860.52	6.10	1	D	A	57.5	3.1	0.0	0.0	0.0	52.2	1.1	0.1	0.0	0.0	0.0	0.0	2.0	5.2	
6073	17561784.46	4927860.93	8.10	0	D	A	57.5	4.6	0.0	0.0	0.0	44.5	0.5	-2.2	0.0	0.0	22.3	0.0	0.0	-2.9	
6079	17561784.52	4927860.52	8.10	1	D	A	57.5	3.1	0.0	0.0	0.0	52.2	1.1	0.1	0.0	0.0	0.0	0.0	2.0	5.2	
6085	17561784.46	4927860.93	1.10	0	D	A	57.5	4.6	0.0	0.0	0.0	44.4	0.5	-2.6	0.0	0.0	22.4	0.0	0.0	-2.6	
6091	17561784.52	4927860.52	1.10	1	D	A	57.5	3.1	0.0	0.0	0.0	52.2	1.1	-0.3	0.0	0.0	0.0	0.0	2.0	5.6	
6097	17561784.46	4927860.93	2.10	0	D	A	57.5	4.6	0.0	0.0	0.0	44.4	0.5	-2.2	0.0	0.0	22.3	0.0	0.0	-2.9	
6103	17561784.52	4927860.52	2.10	1	D	A	57.5	3.1	0.0	0.0	0.0	52.2	1.1	-0.1	0.0	0.0	0.0	0.0	2.0	5.5	
6109	17561784.46	4927860.93	3.10	0	D	A	57.5	4.6	0.0	0.0	0.0	44.4	0.5	-2.2	0.0	0.0	22.3	0.0	0.0	-2.9	
6115	17561784.52	4927860.52	3.10	1	D	A	57.5	3.1	0.0	0.0	0.0	52.2	1.1	0.1	0.0	0.0	0.0	0.0	2.0	5.3	
6121	17561784.46	4927860.93	9.10	0	D	A	57.5	4.6	0.0	0.0	0.0	44.5	0.5	-2.2	0.0	0.0	22.3	0.0	0.0	-2.9	
6127	17561784.52	4927860.52	9.10	1	D	A	57.5	3.1	0.0	0.0	0.0	52.2	1.1	0.1	0.0	0.0	0.0	0.0	2.0	5.2	
6132	17561786.07	4927847.55	0.30	0	D	A	57.5	1.5	0.0	0.0	0.0	41.5	0.4	-2.4	0.0	0.0	21.4	0.0	0.0	-1.8	
6139	17561786.07	4927847.55	0.30	2	D	A	57.5	1.5	0.0	0.0	0.0	52.9	1.2	-1.6	0.0	0.0	0.0	0.0	4.0	2.6	
6150	17561786.07	4927847.55	0.30	1	D	A	57.5	1.5	0.0	0.0	0.0	51.9	1.1	-1.5	0.0	0.0	0.0	0.0	2.0	5.7	
6156	17561786.07	4927847.55	0.30	2	D	A	57.5	1.5	0.0	0.0	0.0	52.0	1.1	-1.6	0.0	0.0	0.0	0.0	4.0	3.5	
6162	17561782.93	4927872.41	7.10	0	D	A	57.5	6.0	0.0	0.0	0.0	46.4	0.6	-2.3	0.0	0.0	22.2	0.0	0.0	-3.3	
6168	17561782.93	4927872.41	6.10	0	D	A	57.5	6.0	0.0	0.0	0.0	46.3	0.6	-2.3	0.0	0.0	22.2	0.0	0.0	-3.3	
6173	17561782.93	4927872.41	1.10	0	D	A	57.5	6.0	0.0	0.0	0.0	46.3	0.6	-2.5	0.0	0.0	22.3	0.0	0.0	-3.1	
6179	17561782.93	4927872.41	8.10	0	D	A	57.5	6.0	0.0	0.0	0.0	46.4	0.6	-2.3	0.0	0.0	22.2	0.0	0.0	-3.3	
6184	17561782.93	4927872.41	5.10	0	D	A	57.5	6.0	0.0	0.0	0.0	46.3	0.6	-2.3	0.0	0.0	22.2	0.0	0.0	-3.3	
6190	17561782.93	4927872.41	2.10	0	D	A	57.5	6.0	0.0	0.0	0.0	46.3	0.6	-2.3	0.0	0.0	22.2	0.0	0.0	-3.3	
6196	17561782.93	4927872.41	9.10	0	D	A	57.5	6.0	0.0	0.0	0.0	46.4	0.6	-2.3	0.0	0.0	22.2	0.0	0.0	-3.3	
6202	17561782.93	4927872.41	4.10	0	D	A	57.5	6.0	0.0	0.0	0.0	46.3	0.6	-2.3	0.0	0.0	22.2	0.0	0.0	-3.3	
6208	17561782.93	4927872.41	3.10	0	D	A	57.5	6.0	0.0	0.0	0.0	46.3	0.6	-2.3	0.0	0.0	22.2	0.0	0.0	-3.3	
6319	17561786.08	4927843.92	0.30	0	D	A	57.5	-0.8	0.0	0.0	0.0	40.5	0.3	-2.4	0.0	0.0	23.2	0.0	0.0	-5.0	
6336	17561787.73	4927840.64	0.30	0	D	A	57.5	-2.3	0.0	0.0	0.0	39.5	0.3	-2.3	0.0	0.0	21.6	0.0	0.0	-3.8	
6355	17561784.46	4927860.93	0.30	0	D	A	57.5	2.4	0.0	0.0	0.0	44.4	0.5	-2.6	0.0	0.0	22.4	0.0	0.0	-4.9	
6361	17561784.52	4927860.52	0.30	1	D	A	57.5	0.9	0.0	0.0	0.0	52.2	1.1	-1.5	0.0	0.0	0.0	0.0	2.0	4.6	
6367	17561782.93	4927872.41	0.30	0	D	A	57.5	3.8	0.0	0.0	0.0	46.3	0.6	-2.8	0.0	0.0	22.4	0.0	0.0	-5.2	
6391	17561785.14	4927859.57	4.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	44.2	0.5	-2.2	0.0	0.0	22.5	0.0	0.0	-7.6	
6409	17561785.14	4927859.57	5.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	44.2	0.5	-2.2	0.0	0.0	22.5	0.0	0.0	-7.6	
6428	17561785.14	4927859.57	1.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	44.1	0.5	-2.6	0.0	0.0	22.6	0.0	0.0	-7.3	
6444	17561785.14	4927859.57	2.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	44.1	0.5	-2.2	0.0	0.0	22.5	0.0	0.0	-7.6	
6462	17561785.14	4927859.57	3.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	44.1	0.5	-2.2	0.0	0.0	22.5	0.0	0.0	-7.6	
6480	17561785.14	4927859.57	8.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	44.2	0.5	-2.2	0.0	0.0	22.4	0.0	0.0	-7.6	
6498	17561785.14	4927859.57	9.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	44.3	0.5	-2.2	0.0	0.0	22.4	0.0	0.0	-7.6	
6515	17561785.14	4927859.57	6.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	44.2	0.5	-2.2	0.0	0.0	22.5	0.0	0.0	-7.6	
6532	17561785.14	4927859.57	7.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	44.2	0.5	-2.2	0.0	0.0	22.5	0.0	0.0	-7.6	
6709	17561784.72	4927862.43	3.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	44.7	0.5	-2.2	0.0	0.0	21.5	0.0	0.0	-7.2	
6715	17561784.72	4927862.43	2.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	44.7	0.5	-2.2	0.0	0.0	21.5	0.0	0.0	-7.2	
6721	17561784.72	4927862.43	1.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	44.7	0.5	-2.6	0.0	0.0	21.6	0.0	0.0	-6.9	
6727	17561784.72	4927862.43	7.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	44.7	0.5	-2.2	0.0	0.0	21.5	0.0	0.0	-7.2	
6733	17561784.72	4927862.43	8.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	44.8	0.5	-2.2	0.0	0.0	21.5	0.0	0.0	-7.2	
6739	17561784.72	4927862.43	9.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	44.8	0.5	-2.2	0.0	0.0	21.5	0.0	0.0	-7.2	
6745	17561784.72	4927862.43	4.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	44.7	0.5	-2.2	0.0	0.0	21.5	0.0	0.0	-7.2	
6750	17561784.72	4927862.43	5.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	44.7	0.5	-2.2	0.0	0.0	21.5	0.0	0.0	-7.2	
6755	17561784.72	4927862.43	6.10	0	D	A	57.5	-0.2	0.0	0.0	0.0	44.7	0.5	-2.2	0.0	0.0	21.5	0.0	0.0	-7.2	
6854	17561783.65	4927870.48	7.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	46.1	0.6	-2.3	0.0	0.0	22.6	0.0	0.0	-9.9	
6859	17561783.65	4927870.48	6.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	46.0	0.6	-2.3	0.0	0.0	22.6	0.0	0.0	-9.9	
6863	17561783.65	4927870.48	9.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	46.1	0.6	-2.3	0.0	0.0	22.6	0.0	0.0	-9.9	
6868	17561783.65	4927870.48	8.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	46.1	0.6	-2.3	0.0	0.0	22.6	0.0	0.0	-9.9	
6873	17561783.65	4927870.48	5.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	46.0	0.6	-2.3	0.0	0.0	22.6	0.0	0.0	-9.9	
6878	17561783.65	4927870.48	2.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	46.0	0.6	-2.2	0.0	0.0	22.7	0.0	0.0	-9.9	
6883	17561783.65	4927870.48	1.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	46.0	0.6	-2.5	0.0	0.0	22.7	0.0	0.0	-9.7	
6888	17561783.65	4927870.48	4.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	46.0	0.6	-2.3	0.0	0.0	22.6	0.0	0.0	-9.9	
6893	17561783.65	4927870.48	3.10	0	D	A	57.5	-0.4	0.0	0.0	0.0	46.0	0.6	-2.3	0.0	0.0	22.6	0.0	0.0	-9.9	
6949	17561785.14	4927859.57	0.30	0	D	A	57.5	-2.4	0.0	0.0	0.0	44.1	0.5	-2.6	0.0	0.0	22.6	0.0	0.0	-9.5	
6980	17561784.72	4927862.43	0.30	0	D	A	57.5	-2.5	0.0	0.0	0.0	44.7	0.5	-2.6	0.0	0.0	21.6	0.0	0.0	-9.2	

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB(A))
1415	17561769.94	4927834.16	6.10	0	D	A	57.5	9.1	0.0	0.0	0.0	39.1	0.3	-1.4	0.0	0.0	20.5	0.0	0.0	8.1
1425	17561770.28	4927831.70	6.10	1	D	A	57.5	5.0	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	15.4	0.0	2.1	-4.4
1436	17561770.01	4927833.65	6.10	1	D	A	57.5	7.8	0.0	0.0	0.0	51.8	1.0	-2.0	0.0	0.0	15.4	0.0	7.9	-8.9
1447	17561769.94	4927834.16	5.10	0	D	A	57.5	9.1	0.0	0.0	0.0	39.0	0.3	-1.4	0.0	0.0	20.5	0.0	0.0	8.2
1458	17561770.28	4927831.70	5.10	1	D	A	57.5	5.0	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	15.7	0.0	2.1	-4.7
1469	17561770.01	4927833.65	5.10	1	D	A	57.5	7.8	0.0	0.0	0.0	51.7	1.0	-2.0	0.0	0.0	15.7	0.0	7.9	-9.1
1480	17561769.94	4927834.16	7.10	0	D	A	57.5	9.1	0.0	0.0	0.0	39.2	0.3	-1.4	0.0	0.0	20.5	0.0	0.0	8.1
1491	17561770.28	4927831.70	7.10	1	D	A	57.5	5.0	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	15.1	0.0	2.1	-4.1
1502	17561770.01	4927833.65	7.10	1	D	A	57.5	7.8	0.0	0.0	0.0	51.8	1.0	-2.0	0.0	0.0	15.2	0.0	7.9	-8.6
1513	17561769.94	4927834.16	9.10	0	D	A	57.5	9.1	0.0	0.0	0.0	39.3	0.3	-1.4	0.0	0.0	20.4	0.0	0.0	8.0
1523	17561770.28	4927831.70	9.10	1	D	A	57.5	5.0	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	14.5	0.0	2.1	-3.5
1534	17561770.01	4927833.65	9.10	1	D	A	57.5	7.8	0.0	0.0	0.0	51.8	1.0	-2.0	0.0	0.0	14.6	0.0	7.8	-8.0
1545	17561769.94	4927834.16	8.10	0	D	A	57.5	9.1	0.0	0.0	0.0	39.2	0.3	-1.4	0.0	0.0	20.4	0.0	0.0	8.0
1556	17561770.28	4927831.70	8.10	1	D	A	57.5	5.0	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	14.8	0.0	2.1	-3.8
1567	17561770.01	4927833.65	8.10	1	D	A	57.5	7.8	0.0	0.0	0.0	51.8	1.0	-2.0	0.0	0.0	14.9	0.0	7.8	-8.3
1577	17561769.94	4927834.16	2.10	0	D	A	57.5	9.1	0.0	0.0	0.0	39.0	0.3	-1.4	0.0	0.0	20.6	0.0	0.0	8.1
1588	17561770.28	4927831.70	2.10	1	D	A	57.5	5.0	0.0	0.0	0.0	50.4	0.9	-2.2	0.0	0.0	18.2	0.0	2.2	-7.0
1610	17561769.94	4927834.16	1.10	0	D	A	57.5	9.1	0.0	0.0	0.0	39.0	0.3	-1.2	0.0	0.0	20.7	0.0	0.0	7.8
1621	17561770.28	4927831.70	1.10	1	D	A	57.5	5.0	0.0	0.0	0.0	50.4	0.9	-2.7	0.0	0.0	19.0	0.0	2.2	-7.3
1644	17561769.94	4927834.16	3.10	0	D	A	57.5	9.1	0.0	0.0	0.0	39.0	0.3	-1.4	0.0	0.0	20.6	0.0	0.0	8.2
1655	17561770.28	4927831.70	3.10	1	D	A	57.5	5.0	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	17.7	0.0	2.2	-6.7
1678	17561769.94	4927834.16	4.10	0	D	A	57.5	9.1	0.0	0.0	0.0	39.0	0.3	-1.4	0.0	0.0	20.5	0.0	0.0	8.2
1689	17561770.28	4927831.70	4.10	1	D	A	57.5	5.0	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	16.0	0.0	2.1	-5.0
1700	17561770.01	4927833.65	4.10	1	D	A	57.5	7.8	0.0	0.0	0.0	51.7	1.0	-2.0	0.0	0.0	15.9	0.0	7.9	-9.4
1733	17561771.66	4927828.30	7.10	0	D	A	57.5	6.0	0.0	0.0	0.0	37.1	0.2	-1.2	0.0	0.0	14.9	0.0	0.0	12.5
1744	17561771.91	4927826.28	7.10	0	D	A	57.5	-11.0	0.0	0.0	0.0	36.4	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	10.7
1755	17561771.66	4927828.26	7.10	1	D	A	57.5	6.1	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	15.2	0.0	2.1	-3.1
1766	17561771.66	4927828.30	8.10	0	D	A	57.5	6.0	0.0	0.0	0.0	37.2	0.2	-1.2	0.0	0.0	14.8	0.0	0.0	12.4
1777	17561771.91	4927826.28	8.10	0	D	A	57.5	-11.0	0.0	0.0	0.0	36.6	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	10.6
1788	17561771.66	4927828.26	8.10	1	D	A	57.5	6.1	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	14.9	0.0	2.1	-2.8
1799	17561771.66	4927828.30	4.10	0	D	A	57.5	6.0	0.0	0.0	0.0	36.8	0.2	-1.2	0.0	0.0	15.0	0.0	0.0	12.7
1810	17561771.91	4927826.28	4.10	0	D	A	57.5	-11.0	0.0	0.0	0.0	36.1	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	11.1
1821	17561771.66	4927828.26	4.10	1	D	A	57.5	6.1	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	16.0	0.0	2.1	-3.9
1833	17561771.66	4927828.30	5.10	0	D	A	57.5	6.0	0.0	0.0	0.0	36.9	0.2	-1.2	0.0	0.0	14.9	0.0	0.0	12.6
1844	17561771.91	4927826.28	5.10	0	D	A	57.5	-11.0	0.0	0.0	0.0	36.2	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	11.0
1855	17561771.66	4927828.26	5.10	1	D	A	57.5	6.1	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	15.8	0.0	2.1	-3.7
1866	17561771.66	4927828.30	6.10	0	D	A	57.5	6.0	0.0	0.0	0.0	37.0	0.2	-1.2	0.0	0.0	14.9	0.0	0.0	12.6
1877	17561771.91	4927826.28	6.10	0	D	A	57.5	-11.0	0.0	0.0	0.0	36.3	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	10.9
1888	17561771.66	4927828.26	6.10	1	D	A	57.5	6.1	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	15.5	0.0	2.1	-3.4
1898	17561771.66	4927828.30	2.10	0	D	A	57.5	6.0	0.0	0.0	0.0	36.7	0.2	-1.1	0.0	0.0	15.0	0.0	0.0	12.6
1909	17561771.91	4927826.28	2.10	0	D	A	57.5	-11.0	0.0	0.0	0.0	36.0	0.2	-0.8	0.0	0.0	0.0	0.0	0.0	11.1
1919	17561771.66	4927828.26	2.10	1	D	A	57.5	6.1	0.0	0.0	0.0	50.4	0.9	-2.2	0.0	0.0	19.7	0.0	2.3	-7.5
1929	17561771.66	4927828.30	1.10	0	D	A	57.5	6.0	0.0	0.0	0.0	36.7	0.2	-0.9	0.0	0.0	15.2	0.0	0.0	12.3
1940	17561771.91	4927826.28	1.10	0	D	A	57.5	-11.0	0.0	0.0	0.0	36.0	0.2	-0.6	0.0	0.0	0.0	0.0	0.0	10.9
1951	17561771.66	4927828.26	1.10	1	D	A	57.5	6.1	0.0	0.0	0.0	50.4	0.9	-2.7	0.0	0.0	20.5	0.0	2.3	-7.8
1963	17561771.66	4927828.30	9.10	0	D	A	57.5	6.0	0.0	0.0	0.0	37.4	0.2	-1.2	0.0	0.0	14.7	0.0	0.0	12.4
1974	17561771.91	4927826.28	9.10	0	D	A	57.5	-11.0	0.0	0.0	0.0	36.7	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	10.4
1986	17561771.66	4927828.26	9.10	1	D	A	57.5	6.1	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	14.5	0.0	2.1	-2.5
1998	17561771.66	4927828.30	3.10	0	D	A	57.5	6.0	0.0	0.0	0.0	36.8	0.2	-1.2	0.0	0.0	15.0	0.0	0.0	12.7
2009	17561771.91	4927826.28	3.10	0	D	A	57.5	-11.0	0.0	0.0	0.0	36.0	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	11.1
2019	17561771.66	4927828.26	3.10	1	D	A	57.5	6.1	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	19.2	0.0	2.3	-7.2
2457	17561769.94	4927834.16	0.30	0	D	A	57.5	6.9	0.0	0.0	0.0	39.0	0.3	-2.1	0.0	0.0	20.7	0.0	0.0	6.6
2467	17561770.28	4927831.70	0.30	1	D	A	57.5	2.8	0.0	0.0	0.0	50.4	0.9	-3.5	0.0	0.0	20.0	0.0	2.2	-9.7
2489	17561767.64	4927851.12	6.10	0	D	A	57.5	10.7	0.0	0.0	0.0	43.3	0.4	-2.1	0.0	0.0	23.7	0.0	0.0	2.9
2511	17561767.64	4927851.12	5.10	0	D	A	57.5	10.7	0.0	0.0	0.0	43.2	0.4	-2.1	0.0	0.0	23.7	0.0	0.0	3.0
2534	17561767.64	4927851.12	8.10	0	D	A	57.5	10.7	0.0	0.0	0.0	43.3	0.4	-2.1	0.0	0.0	23.7	0.0	0.0	2.9
2556	17561767.64	4927851.12	7.10	0	D	A	57.5	10.7	0.0	0.0	0.0	43.3	0.4	-2.1	0.0	0.0	23.7	0.0	0.0	2.9
2579	17561767.64	4927851.12	2.10	0	D	A	57.5	10.7	0.0	0.0	0.0	43.2	0.4	-2.0	0.0	0.0	23.7	0.0	0.0	2.9
2601	17561767.64	4927851.12	1.10	0	D	A	57.5	10.7	0.0	0.0	0.0	43.2	0.4	-2.2	0.0	0.0	23.8	0.0	0.0	3.0
2623	17561767.64	4927851.12	4.10	0	D	A	57.5	10.7	0.0	0.0	0.0	43.2	0.4	-2.1	0.0	0.0	23.7	0.0	0.0	3.0
2645	17561767.64	4927851.12	3.10	0	D	A	57.5	10.7	0.0	0.0	0.0	43.2	0.4	-2.1	0.0	0.0	23.7	0.0	0.0	3.0
2668	17561767.64	4927851.12	9.10	0	D	A	57.5	10.7	0.0	0.0	0.0	43.4	0.4	-2.1	0.0	0.0	23.6	0.0	0.0	2.9
2688	17561771.26	4927842.04	1.10	0	D	A	57.5	8.5	0.0	0.0	0.0	40.8	0.3	-1.6	0.0	0.0	24.3	0.0	0.0	2.1

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																					
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr	
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	
2721	17561771.26	4927842.04	2.10	0	D	A	57.5	8.5	0.0	0.0	0.0	40.8	0.3	-1.8	0.0	0.0	24.3	0.0	0.0	2.3	
2754	17561771.26	4927842.04	3.10	0	D	A	57.5	8.5	0.0	0.0	0.0	40.9	0.3	-1.8	0.0	0.0	24.3	0.0	0.0	2.3	
2787	17561771.26	4927842.04	6.10	0	D	A	57.5	8.5	0.0	0.0	0.0	40.9	0.3	-1.8	0.0	0.0	24.3	0.0	0.0	2.2	
2820	17561771.26	4927842.04	5.10	0	D	A	57.5	8.5	0.0	0.0	0.0	40.9	0.3	-1.8	0.0	0.0	24.3	0.0	0.0	2.3	
2853	17561771.26	4927842.04	9.10	0	D	A	57.5	8.5	0.0	0.0	0.0	41.1	0.3	-1.8	0.0	0.0	24.2	0.0	0.0	2.2	
2887	17561771.26	4927842.04	4.10	0	D	A	57.5	8.5	0.0	0.0	0.0	40.9	0.3	-1.8	0.0	0.0	24.3	0.0	0.0	2.3	
2920	17561771.26	4927842.04	7.10	0	D	A	57.5	8.5	0.0	0.0	0.0	41.0	0.3	-1.8	0.0	0.0	24.3	0.0	0.0	2.2	
2954	17561771.26	4927842.04	8.10	0	D	A	57.5	8.5	0.0	0.0	0.0	41.0	0.3	-1.8	0.0	0.0	24.3	0.0	0.0	2.2	
2987	17561771.66	4927828.30	0.30	0	D	A	57.5	3.8	0.0	0.0	0.0	36.8	0.2	-1.5	0.0	0.0	15.1	0.0	0.0	10.7	
2998	17561771.91	4927826.28	0.30	0	D	A	57.5	-13.3	0.0	0.0	0.0	36.0	0.2	-0.8	0.0	0.0	0.0	0.0	0.0	8.8	
3009	17561771.66	4927828.26	0.30	1	D	A	57.5	3.9	0.0	0.0	0.0	50.4	0.9	-3.5	0.0	0.0	21.5	0.0	2.3	-10.2	
3064	17561767.64	4927851.12	0.30	0	D	A	57.5	8.5	0.0	0.0	0.0	43.2	0.4	-2.5	0.0	0.0	23.9	0.0	0.0	1.0	
3086	17561771.26	4927842.04	0.30	0	D	A	57.5	6.3	0.0	0.0	0.0	40.8	0.3	-2.3	0.0	0.0	24.6	0.0	0.0	0.3	
4133	17561765.90	4927864.02	6.10	0	D	A	57.5	9.1	0.0	0.0	0.0	45.6	0.6	-2.2	0.0	0.0	24.1	0.0	0.0	-1.3	
4155	17561765.90	4927864.02	5.10	0	D	A	57.5	9.1	0.0	0.0	0.0	45.6	0.6	-2.2	0.0	0.0	24.1	0.0	0.0	-1.3	
4177	17561765.90	4927864.02	4.10	0	D	A	57.5	9.1	0.0	0.0	0.0	45.6	0.6	-2.2	0.0	0.0	24.1	0.0	0.0	-1.3	
4200	17561765.90	4927864.02	9.10	0	D	A	57.5	9.1	0.0	0.0	0.0	45.6	0.6	-2.2	0.0	0.0	24.0	0.0	0.0	-1.3	
4222	17561765.90	4927864.02	8.10	0	D	A	57.5	9.1	0.0	0.0	0.0	45.6	0.6	-2.2	0.0	0.0	24.0	0.0	0.0	-1.3	
4244	17561765.90	4927864.02	7.10	0	D	A	57.5	9.1	0.0	0.0	0.0	45.6	0.6	-2.2	0.0	0.0	24.1	0.0	0.0	-1.3	
4265	17561765.90	4927864.02	3.10	0	D	A	57.5	9.1	0.0	0.0	0.0	45.5	0.6	-2.2	0.0	0.0	24.1	0.0	0.0	-1.3	
4287	17561765.90	4927864.02	1.10	0	D	A	57.5	9.1	0.0	0.0	0.0	45.5	0.6	-2.5	0.0	0.0	24.2	0.0	0.0	-1.1	
4308	17561765.90	4927864.02	2.10	0	D	A	57.5	9.1	0.0	0.0	0.0	45.5	0.6	-2.2	0.0	0.0	24.1	0.0	0.0	-1.3	
4331	17561770.57	4927838.36	4.10	0	D	A	57.5	3.8	0.0	0.0	0.0	40.0	0.3	-1.6	0.0	0.0	24.1	0.0	0.0	-1.5	
4353	17561770.57	4927838.36	5.10	0	D	A	57.5	3.8	0.0	0.0	0.0	40.1	0.3	-1.6	0.0	0.0	24.1	0.0	0.0	-1.5	
4375	17561770.57	4927838.36	3.10	0	D	A	57.5	3.8	0.0	0.0	0.0	40.0	0.3	-1.6	0.0	0.0	24.1	0.0	0.0	-1.5	
4397	17561770.57	4927838.36	1.10	0	D	A	57.5	3.8	0.0	0.0	0.0	40.0	0.3	-1.4	0.0	0.0	24.1	0.0	0.0	-1.7	
4418	17561770.57	4927838.36	2.10	0	D	A	57.5	3.8	0.0	0.0	0.0	40.0	0.3	-1.6	0.0	0.0	24.1	0.0	0.0	-1.5	
4440	17561770.57	4927838.36	7.10	0	D	A	57.5	3.8	0.0	0.0	0.0	40.2	0.3	-1.6	0.0	0.0	24.1	0.0	0.0	-1.6	
4462	17561770.57	4927838.36	6.10	0	D	A	57.5	3.8	0.0	0.0	0.0	40.1	0.3	-1.6	0.0	0.0	24.1	0.0	0.0	-1.6	
4484	17561770.57	4927838.36	8.10	0	D	A	57.5	3.8	0.0	0.0	0.0	40.2	0.3	-1.6	0.0	0.0	24.0	0.0	0.0	-1.6	
4506	17561770.57	4927838.36	9.10	0	D	A	57.5	3.8	0.0	0.0	0.0	40.3	0.3	-1.6	0.0	0.0	24.0	0.0	0.0	-1.7	
5185	17561770.96	4927830.21	5.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	37.7	0.2	-1.3	0.0	0.0	15.9	0.0	0.0	4.7	
5194	17561770.96	4927830.21	5.10	1	D	A	57.5	-0.3	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	15.7	0.0	2.1	-10.1	
5212	17561770.96	4927830.21	4.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	37.6	0.2	-1.3	0.0	0.0	15.9	0.0	0.0	4.8	
5221	17561770.96	4927830.21	4.10	1	D	A	57.5	-0.3	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	16.0	0.0	2.1	-10.3	
5239	17561770.96	4927830.21	8.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	38.0	0.2	-1.3	0.0	0.0	15.7	0.0	0.0	4.6	
5247	17561770.96	4927830.21	8.10	1	D	A	57.5	-0.3	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	14.8	0.0	2.1	-9.2	
5265	17561770.96	4927830.21	3.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	37.6	0.2	-1.3	0.0	0.0	15.9	0.0	0.0	4.8	
5293	17561770.96	4927830.21	9.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	38.1	0.3	-1.3	0.0	0.0	15.7	0.0	0.0	4.5	
5302	17561770.96	4927830.21	9.10	1	D	A	57.5	-0.3	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	14.5	0.0	2.1	-8.9	
5311	17561770.96	4927830.21	9.10	2	D	A	57.5	-0.3	0.0	0.0	0.0	50.5	0.9	-2.0	0.0	0.0	14.5	0.0	4.1	-11.0	
5320	17561770.96	4927830.21	6.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	37.8	0.2	-1.3	0.0	0.0	15.8	0.0	0.0	4.7	
5329	17561770.96	4927830.21	6.10	1	D	A	57.5	-0.3	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	15.4	0.0	2.1	-9.8	
5347	17561770.96	4927830.21	2.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	37.6	0.2	-1.3	0.0	0.0	16.0	0.0	0.0	4.7	
5374	17561770.96	4927830.21	1.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	37.6	0.2	-1.1	0.0	0.0	16.1	0.0	0.0	4.4	
5402	17561770.96	4927830.21	7.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	37.8	0.2	-1.3	0.0	0.0	15.8	0.0	0.0	4.6	
5411	17561770.96	4927830.21	7.10	1	D	A	57.5	-0.3	0.0	0.0	0.0	50.4	0.9	-2.0	0.0	0.0	15.1	0.0	2.1	-9.5	
5439	17561765.90	4927864.02	0.30	0	D	A	57.5	6.9	0.0	0.0	0.0	45.5	0.6	-2.5	0.0	0.0	24.2	0.0	0.0	-3.3	
5457	17561769.60	4927845.40	2.10	0	D	A	57.5	3.7	0.0	0.0	0.0	41.8	0.4	-1.9	0.0	0.0	23.8	0.0	0.0	-2.9	
5475	17561769.60	4927845.40	1.10	0	D	A	57.5	3.7	0.0	0.0	0.0	41.8	0.4	-1.7	0.0	0.0	23.8	0.0	0.0	-3.1	
5492	17561769.60	4927845.40	4.10	0	D	A	57.5	3.7	0.0	0.0	0.0	41.9	0.4	-1.9	0.0	0.0	23.8	0.0	0.0	-2.9	
5510	17561769.60	4927845.40	3.10	0	D	A	57.5	3.7	0.0	0.0	0.0	41.8	0.4	-1.9	0.0	0.0	23.8	0.0	0.0	-2.9	
5529	17561769.60	4927845.40	5.10	0	D	A	57.5	3.7	0.0	0.0	0.0	41.9	0.4	-1.9	0.0	0.0	23.8	0.0	0.0	-2.9	
5548	17561769.60	4927845.40	9.10	0	D	A	57.5	3.7	0.0	0.0	0.0	42.0	0.4	-1.9	0.0	0.0	23.6	0.0	0.0	-2.9	
5565	17561769.60	4927845.40	8.10	0	D	A	57.5	3.7	0.0	0.0	0.0	42.0	0.4	-1.9	0.0	0.0	23.7	0.0	0.0	-3.0	
5580	17561769.60	4927845.40	6.10	0	D	A	57.5	3.7	0.0	0.0	0.0	41.9	0.4	-1.9	0.0	0.0	23.8	0.0	0.0	-2.9	
5596	17561769.60	4927845.40	7.10	0	D	A	57.5	3.7	0.0	0.0	0.0	41.9	0.4	-1.9	0.0	0.0	23.8	0.0	0.0	-3.0	
5612	17561770.57	4927838.36	0.30	0	D	A	57.5	1.6	0.0	0.0	0.0	40.0	0.3	-2.2	0.0	0.0	24.4	0.0	0.0	-3.4	
5910	17561767.58	4927858.58	7.10	0	D	A	57.5	4.8	0.0	0.0	0.0	44.6	0.5	-2.2	0.0	0.0	24.4	0.0	0.0	-5.1	
5924	17561767.58	4927858.58	6.10	0	D	A	57.5	4.8	0.0	0.0	0.0	44.6	0.5	-2.2	0.0	0.0	24.4	0.0	0.0	-5.1	
5938	17561767.58	4927858.58	9.10	0	D	A	57.5	4.8	0.0	0.0	0.0	44.7	0.5	-2.2	0.0	0.0	24.4	0.0	0.0	-5.1	
5952	17561767.58	4927858.58	8.10	0	D	A	57.5	4.8	0.0	0.0	0.0	44.7	0.5	-2.2	0.0	0.0	24.4	0.0	0.0	-5.1	
5964	17561767.58	4927858.58	3.10	0	D	A	57.5	4.8	0.0	0.0	0.0	44.6	0.5	-2.2	0.0	0.0	24.4	0.0	0.0	-5.1	

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahours	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
5976	17561767.58	4927858.58	2.10	0	D	A	57.5	4.8	0.0	0.0	0.0	44.6	0.5	-2.2	0.0	0.0	24.4	0.0	0.0	-5.1
5988	17561767.58	4927858.58	5.10	0	D	A	57.5	4.8	0.0	0.0	0.0	44.6	0.5	-2.2	0.0	0.0	24.4	0.0	0.0	-5.1
6000	17561767.58	4927858.58	4.10	0	D	A	57.5	4.8	0.0	0.0	0.0	44.6	0.5	-2.2	0.0	0.0	24.4	0.0	0.0	-5.1
6012	17561767.58	4927858.58	1.10	0	D	A	57.5	4.8	0.0	0.0	0.0	44.6	0.5	-2.5	0.0	0.0	24.6	0.0	0.0	-4.9
6214	17561770.96	4927830.21	0.30	0	D	A	57.5	-2.5	0.0	0.0	0.0	37.6	0.2	-2.1	0.0	0.0	16.0	0.0	0.0	3.3
6232	17561766.01	4927870.17	5.10	0	D	A	57.5	6.0	0.0	0.0	0.0	46.5	0.6	-2.2	0.0	0.0	24.4	0.0	0.0	-5.8
6239	17561766.01	4927870.17	6.10	0	D	A	57.5	6.0	0.0	0.0	0.0	46.5	0.6	-2.2	0.0	0.0	24.4	0.0	0.0	-5.8
6245	17561766.01	4927870.17	7.10	0	D	A	57.5	6.0	0.0	0.0	0.0	46.5	0.6	-2.2	0.0	0.0	24.4	0.0	0.0	-5.8
6251	17561766.01	4927870.17	4.10	0	D	A	57.5	6.0	0.0	0.0	0.0	46.4	0.6	-2.2	0.0	0.0	24.4	0.0	0.0	-5.8
6257	17561766.01	4927870.17	1.10	0	D	A	57.5	6.0	0.0	0.0	0.0	46.4	0.6	-2.5	0.0	0.0	24.6	0.0	0.0	-5.6
6275	17561766.01	4927870.17	2.10	0	D	A	57.5	6.0	0.0	0.0	0.0	46.4	0.6	-2.2	0.0	0.0	24.4	0.0	0.0	-5.8
6288	17561766.01	4927870.17	3.10	0	D	A	57.5	6.0	0.0	0.0	0.0	46.4	0.6	-2.2	0.0	0.0	24.4	0.0	0.0	-5.8
6295	17561766.01	4927870.17	9.10	0	D	A	57.5	6.0	0.0	0.0	0.0	46.5	0.6	-2.2	0.0	0.0	24.4	0.0	0.0	-5.8
6301	17561766.01	4927870.17	8.10	0	D	A	57.5	6.0	0.0	0.0	0.0	46.5	0.6	-2.2	0.0	0.0	24.4	0.0	0.0	-5.8
6307	17561769.60	4927845.40	0.30	0	D	A	57.5	1.5	0.0	0.0	0.0	41.8	0.4	-2.4	0.0	0.0	24.0	0.0	0.0	-4.8
6342	17561767.58	4927858.58	0.30	0	D	A	57.5	2.5	0.0	0.0	0.0	44.6	0.5	-2.5	0.0	0.0	24.6	0.0	0.0	-7.1
6373	17561766.01	4927870.17	0.30	0	D	A	57.5	3.7	0.0	0.0	0.0	46.4	0.6	-2.8	0.0	0.0	24.7	0.0	0.0	-7.7
6550	17561767.31	4927857.05	4.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	44.3	0.5	-2.2	0.0	0.0	24.4	0.0	0.0	-9.8
6567	17561767.31	4927857.05	5.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	44.4	0.5	-2.2	0.0	0.0	24.4	0.0	0.0	-9.8
6585	17561767.31	4927857.05	2.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	44.3	0.5	-2.1	0.0	0.0	24.4	0.0	0.0	-9.9
6603	17561767.31	4927857.05	3.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	44.3	0.5	-2.2	0.0	0.0	24.4	0.0	0.0	-9.8
6621	17561767.31	4927857.05	9.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	44.4	0.5	-2.2	0.0	0.0	24.4	0.0	0.0	-9.9
6639	17561767.31	4927857.05	1.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	44.3	0.5	-2.5	0.0	0.0	24.6	0.0	0.0	-9.7
6656	17561767.31	4927857.05	8.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	44.4	0.5	-2.2	0.0	0.0	24.4	0.0	0.0	-9.9
6674	17561767.31	4927857.05	6.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	44.4	0.5	-2.2	0.0	0.0	24.4	0.0	0.0	-9.9
6692	17561767.31	4927857.05	7.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	44.4	0.5	-2.2	0.0	0.0	24.4	0.0	0.0	-9.9
6762	17561766.91	4927860.00	7.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	44.9	0.5	-2.2	0.0	0.0	24.2	0.0	0.0	-10.2
6772	17561766.91	4927860.00	8.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	44.9	0.5	-2.2	0.0	0.0	24.2	0.0	0.0	-10.2
6782	17561766.91	4927860.00	5.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	44.9	0.5	-2.2	0.0	0.0	24.2	0.0	0.0	-10.2
6792	17561766.91	4927860.00	6.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	44.9	0.5	-2.2	0.0	0.0	24.2	0.0	0.0	-10.2
6802	17561766.91	4927860.00	9.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	45.0	0.5	-2.2	0.0	0.0	24.2	0.0	0.0	-10.2
6811	17561766.91	4927860.00	2.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	44.8	0.5	-2.2	0.0	0.0	24.2	0.0	0.0	-10.2
6822	17561766.91	4927860.00	1.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	44.8	0.5	-2.5	0.0	0.0	24.4	0.0	0.0	-10.0
6832	17561766.91	4927860.00	4.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	44.9	0.5	-2.2	0.0	0.0	24.2	0.0	0.0	-10.2
6843	17561766.91	4927860.00	3.10	0	D	A	57.5	-0.3	0.0	0.0	0.0	44.9	0.5	-2.2	0.0	0.0	24.2	0.0	0.0	-10.2

vert. Area Source, ISO 9613, Name: "EAs & OAs", ID: "EAs_OAs"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahours	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
3119	17561774.19	4927873.29	4.10	0	D	A	57.8	12.3	0.0	0.0	0.0	46.6	0.6	-2.3	0.0	0.0	25.6	0.0	0.0	-0.4
3131	17561774.19	4927873.29	3.10	0	D	A	57.8	12.3	0.0	0.0	0.0	46.6	0.6	-2.3	0.0	0.0	25.6	0.0	0.0	-0.4
3143	17561774.19	4927873.29	6.10	0	D	A	57.8	12.3	0.0	0.0	0.0	46.6	0.6	-2.3	0.0	0.0	25.6	0.0	0.0	-0.4
3155	17561774.19	4927873.29	5.10	0	D	A	57.8	12.3	0.0	0.0	0.0	46.6	0.6	-2.3	0.0	0.0	25.6	0.0	0.0	-0.4
3166	17561774.19	4927873.29	1.10	0	D	A	57.8	12.3	0.0	0.0	0.0	46.6	0.6	-2.5	0.0	0.0	25.8	0.0	0.0	-0.3
3209	17561774.19	4927873.29	7.10	0	D	A	57.8	12.3	0.0	0.0	0.0	46.6	0.6	-2.3	0.0	0.0	25.6	0.0	0.0	-0.4
3221	17561774.19	4927873.29	8.10	0	D	A	57.8	12.3	0.0	0.0	0.0	46.6	0.6	-2.3	0.0	0.0	25.6	0.0	0.0	-0.5
3232	17561774.19	4927873.29	2.10	0	D	A	57.8	12.3	0.0	0.0	0.0	46.6	0.6	-2.2	0.0	0.0	25.6	0.0	0.0	-0.4
3254	17561774.19	4927873.29	9.10	0	D	A	57.8	12.3	0.0	0.0	0.0	46.6	0.6	-2.3	0.0	0.0	25.6	0.0	0.0	-0.5
4528	17561774.19	4927873.29	0.30	0	D	A	57.8	10.1	0.0	0.0	0.0	46.6	0.6	-2.8	0.0	0.0	26.0	0.0	0.0	-2.4

Point Source, ISO 9613, Name: "ODU-1", ID: "ODU-1"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahours	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
4750	17561781.98	4927874.36	2.00	0	DEN	A	65.5	0.0	0.0	0.0	0.0	46.6	0.3	-1.9	0.0	0.0	21.1	0.0	0.0	-0.6

Point Source, ISO 9613, Name: "ODU-2", ID: "ODU-2"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahours	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
5628	17561781.98	4927874.36	2.80	0	D	A	65.5	0.0	0.0	0.0	0.0	46.6	0.3	-2.0	0.0	0.0	21.1	0.0	0.0	-0.5