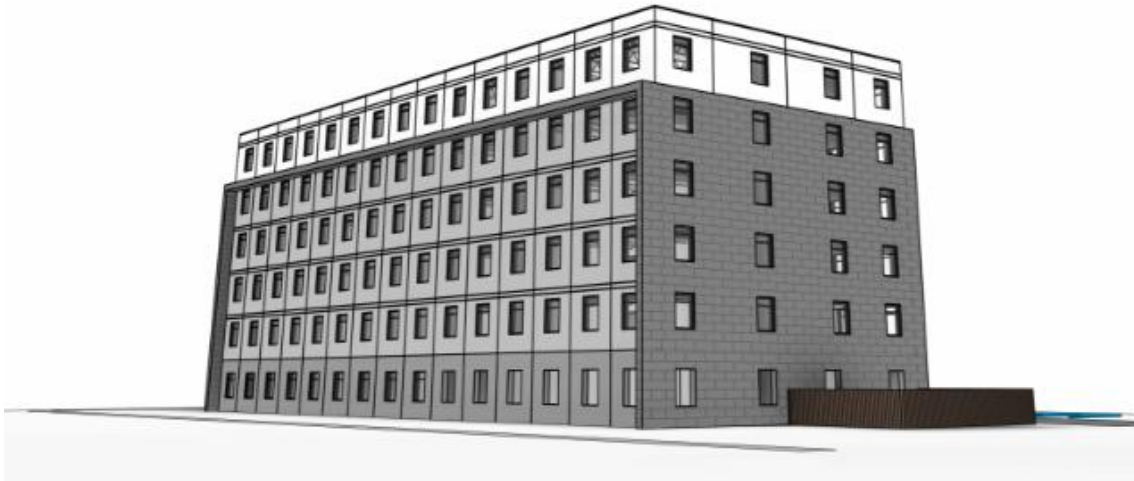


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# Environmental Noise Study

**303 - 317 SPEEDVALE AVENUE EAST  
Guelph, Ontario**



Prepared for:



**January 10, 2024**



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# 1 Introduction

JPE Engineering was retained to undertake an environmental noise study to examine the potential impacts of environmental noise on, and resulting from, a proposed residential development at 303 – 317 Speedvale Avenue East, Guelph, Ontario (henceforth the “Site”).

The Site currently comprises two commercial lots and one residential lot. Assuming Speedvale Avenue East runs east-west, the site is bounded by Speedvale Avenue East to the north, residential lands to the west and south, and Manhattan Court to the east. Refer to **Plate 1**.



**PLATE 1: Location Plan**

The development will demolish all existing buildings and construct a 6-storey residential apartment building. The site will include auxiliary driveways, parking areas and some outdoor landscape spaces. For more information of the site development, refer to **Appendix A** for the site and architectural plans.

This report documents the environmental noise analysis and findings related to the feasibility of the development from an environmental noise perspective, and recommends mitigation measures as required.



## 2 Noise Sources and Criteria

The City of Guelph has established environmental noise guidelines to govern development with sensitive noise receivers. The City guidelines mirror the Ministry of Environment, Conservation and Parks (MECP, formerly MOE and MOECC) guidelines which are documented in their publication entitled NPC-300 “Stationary and Transportation Sources – Approval and Planning” (August 2013). The City and MECP guidelines were utilized to guide this environmental noise study.

On review of potential environmental noise sources within the subject development’s environs, the following sources were identified:

- **Road traffic:** Speedvale Avenue East may impact the proposed residential sensitive receivers. Other nearby roads have small volumes and are assumed not to impact the development.
- **Airports and railways:** The proposed development is outside the zone of influence of airports and railways and therefore these noise sources are deemed not to be an issue, and as such will not be considered further in this report.
- **On-Site Stationary noise:** The proposed development will contain HVAC equipment as well as an emergency generator to service the proposed buildings. This type of equipment produces noise and therefore needs consideration.
- **Off-Site Stationary noise:** The existing surrounding development is primarily single family residential which do not have any significant noise sources and thus will not be considered further. To the east of the site there is a small commercial building which has rooftop HVAC equipment. This HVAC equipment is a stationary noise source and will be analyzed for impacts on the proposed Site.

### 2.1 Transportation Noise Criteria

For transportation noise, Section C6 and C7 of NPC-300 are used to determine the noise criteria for the development. The road and rail traffic criteria are shown in **Table 1** and the mitigation and warning clause requirements are tabulated in **Table 2**.

**Table 1 – Transportation Indoor Noise Level Criteria**

INDOOR SPACE	TIME PERIOD	CRITERIA (dBA)	
		Road	Rail
Living/dining, den areas of residences, hospitals, nursing homes, schools, daycare centres, etc.	07:00 – 23:00	45	40
Living/dining, den areas of residences, hospitals, nursing homes, etc. (except schools or daycare centres)	23:00 – 07:00	45	40
Sleeping quarters	07:00 – 23:00	45	40
	23:00 – 07:00	40	35

**Table 2 – MOECP Road & Rail Traffic Noise Mitigation and Warning Clause Requirements**

LOCATION	NOISE LEVELS (dBA)	REQUIREMENT
Outdoor Living Areas (Daytime 0700 to 2300)	Less than 55	i) No control required
	55-60	i) Physical control required -or- ii) Type A warning clause required
	Greater than 60	i) Physical control required -and- ii) Type B warning clause required
Outside Living Room Window (Daytime 0700 to 2300)	Less than 55	i) No control required
	55-65	i) Forced air heating or air conditioning required -and- ii) Type C warning clause required
	Greater than 65	i) Central air conditioning required -and- ii) Type D warning clause required -and- iii) Special building components required
Outside Bedroom Window (Nighttime 2300 to 0700)	Less than 50	i) No control required
	50-60	i) Forced air heating or air conditioning required -and- ii) Type C warning clause required
	Greater than 60	i) Central air conditioning required -and- ii) Type D warning clause required -and- iii) Special building components required

Notes:

1. An assessment of indoor noise levels is required only if the criteria in Table 1 are exceeded.
2. Train whistle noise is excluded for OLA noise assessments, and included for Living / Dining Room and Sleeping Quarter assessments, where applicable.
3. Road and Rail noise impacts are combined for assessment of OLA impacts.
4. Residence area Dens, Hospitals, Nursing Homes, Schools, Daycares are included. During the nighttime period, Schools and Daycares are excluded.
5. Rail criteria is 5 dBA lower than road criteria to account for low frequency tonal noise from diesel locomotives.
6. If noise levels (Leq, 24 hours) are greater than 60 dBA at a receiver during nighttime hours, or if the receiver is located within 100 meters of a track, then exterior walls are to be brick veneer or a masonry equivalent.

## 2.2 Stationary Noise Criteria

Part C4 of MECP's NPC-300 guideline applies to Land Use Planning and stationary noise. The guideline specifies exclusionary noise limits below which the noise is considered acceptable for a sensitive use. The sound level limit criteria for a point of reception (expressed as the one hour Equivalent Sound Level) is the greater of the exclusionary limit or the ambient background noise level. The exclusionary limits are summarized in **Table 3**.

**Table 3 – Stationary Noise Level Exclusionary Limits (dBA)**

LOCATION	TIME PERIOD	CLASS 1	CLASS 2	CLASS 3	CLASS 4
Outdoor Living Area	0700 – 1900	50	50	45	55
	1900 – 2300	50	45	40	55
Plane of Window	0700 – 1900	50	50	45	60
	1900 – 2300	50	50	40	60
	2300 – 0700	45	45	40	55

Notes:

1. The Noise criteria for emergency generators that operate during non-emergency times (e.g., for testing and maintenance) is 5 dBA greater than those for stationary noise listed.
2. Noise from emergency equipment is to be assessed independent of other stationary noise sources.

With respect to stationary noise, a sensitive noise receptor can be located in one of four area classifications (refer to Section A5 of NPC 300) described as follows:

- a) **“Class 1 area”**: An area with an acoustical environment typical of a major population centre, where the background sound level is dominated by the activities of people, usually road traffic, often referred to as “urban hum.”
- b) **“Class 2 area”**: An area with an acoustical environment that has qualities representative of both Class 1 and Class 3 areas:
  - Sound levels characteristic of Class 1 during daytime (07:00 to 19:00 or to 23:00 hours); and
  - Low evening and night background sound level defined by natural environment and infrequent human activity starting as early as 19:00 hours (19:00 or 23:00 to 07:00 hours).
- c) **“Class 3 area”**: A rural area with an acoustical environment that is dominated by natural sounds having little or no road traffic, such as:
  - A small community;
  - Agricultural area;
  - A rural recreational area such as a cottage or a resort area; or
  - A wilderness area.
- d) **“Class 4 area”**: An area or specific site that would otherwise be defined as Class 1 or 2 and which:
  - Is an area intended for development with new noise sensitive land use(s) that are not yet built;
  - Is in proximity to existing, lawfully established stationary source(s); and
  - Has formal confirmation from the land use planning authority with the Class 4 area classification which is determined during the land use planning process.

On review of the subject development’s environs, it is assumed that a **“Class 1”** classification is appropriate given it is located within an established urban area of the City of Guelph, and is in close proximity to a significant arterial road.

Finally, while the ambient noise level may very well exceed the exclusionary limit, for ease and conservativeness, the exclusionary limit will be assumed to govern unless otherwise noted.

### 3 Noise Sources

#### 3.1 Transportation

Road traffic data for the significant roadways in proximity to the subject development were obtained from the City of Guelph. The road traffic data is summarized in **Table 4**, and the “raw data” is included in **Appendix B**.

**Table 4 – Traffic Data for Municipal Roads**

DESCRIPTION	SPEEDVALE AVE E.
AADT (2019)	13,879
Annual Growth Rate	1.0%
Forecasted AADT (2034)	16,113
% Medium Trucks of total *	2.5%
% Heavy Trucks of total *	1.0%
Speed Limit	50 kph
% Day/Night Split *	90 / 10

*\* Day/night split per MECP suggested percentages*

#### 3.2 Stationary

##### 3.2.1 OnSite Sources

With new development, it is important to consider any new onsite noise sources that may be introduced that may cause impact to either onsite or existing offsite sensitive noise receivers.

HVAC equipment will be used to heat/cool the new buildings. This equipment is noise producing (fans and compressors). The Building designers advised that the development is in a preliminary stage, but suggested that four 12.5 tonne chillers will be required. The assumed sound power level is summarized in **Table 5**. It is assumed the equipment operates with a 100% duty cycle.

**Table 5 – Onsite Stationary Noise Sources**

DESCRIPTION	LOCATION	SOUND POWER LEVEL (dBA)
HVAC Units (S1)	On proposed rooftop	78.5

An emergency generator (denoted S3) may be required and is proposed to be located on the west side of the apartment building. The specifications of this equipment are unknown at time of writing.

The assumed locations of the stationary sources are shown on **Drawing N2** and **N3** in **Appendix C**.

### 3.2.2 OffSite Sources

On review of the Site’s environs, the only offsite noise source of significance is the existing HVAC equipment atop the building at 319 Speedvale Ave E. (southeast corner of Speedvale and Manhattan). The assumed sound pressure level of this equipment is summarized in **Table 6**, and the equipment’s location is shown on **Drawing N2** and **N3** in **Appendix C**. It is assumed the equipment operates with a 100% duty cycle.

**Table 6 – Offsite Stationary Noise Sources**

DESCRIPTION	LOCATION	SOUND PRESSURE LEVEL (dBA)
HVAC equipment (S2)	Rooftop of 319 Speedvale Ave E.	78.5

## 4 Sensitive Noise Receiver Locations

To facilitate analysis and description, sensitive noise Receiver locations were established at worst-case locations. These worst-case locations are assumed to represent the entire sensitive noise receiver area – for example, a receiver located in the “worst-case” corner of an Amenity Area is deemed to represent the entire Amenity Area.

For the analysis of indoor noise, Receivers are assumed to be located flush with the outside of living room and bedroom windows.

In all cases, Receiver locations are assumed to be located 1.5m above ground or floor elevation to represent ear level.

### 4.1 Transportation

The transportation noise receiver locations are described in **Table 7**, and shown and labeled on **Drawing N1** in **Appendix B**. Note, the receivers represent the location in plan view – where required, elevation descriptors will be included. These locations are considered to be “worst-case”.

**Table 7 – Transportation Noise Sensitive Receiver Locations**

RECEIVER	LOCATION	REPRESENTS
A	on northern façade at middle of proposed building	entire northern façade of proposed building
B	on eastern façade at NE corner of proposed building	entire eastern and western façade of proposed building

### 4.2 Stationary

The modelling of stationary noise produces a noise contour plan that shows noise levels throughout the study area. As such, specific noise receiver locations have not been established for Stationary noise.



## 5 Analysis and Results

### 5.1 Transportation Noise

MECP’s STAMSON v5 software (based on MECP’s ORNAMENT algorithm) was used to model and predict noise levels resulting from road traffic at the identified Receiver locations. The following assumptions were made:

- The intermediate surface between the traffic source and the receivers was modelled as having a generally absorptive surface.
- Road gradient = 2.6% (per topo survey).

The STAMSON output is included in **Appendix B** and the resulting noise levels are summarized in **Table 8**.

**Table 8 – Predicted Un-Attenuated Traffic Noise Levels (dBA)**

RECEIVER	DAYTIME		NIGHTTIME	
	Level *	Threshold **	Level *	Threshold **
A	63	55	57	50
B	60	55	54	50

\* *Red numbers (if shown) indicate failure of the threshold criteria.*

\*\* *Threshold = minimum criteria below which no requirements for warning clauses or protection.*

As demonstrated in **Table 8**, predicted noise levels at the indoor Receivers of the proposed Building with exposure to Speedvale Avenue East (i.e., Receivers A and B) exceed the minimum threshold criteria and thus controls are required.

From review of the requirements presented in **Table 2** and the results summarized in **Table 8**, it is determined that the following controls are required for the western, eastern and northern facing units of the proposed apartment building (i.e., those with exposure to Speedvale Avenue E.):

- Forced air heating or air conditioning required; and,
- Type C warning clause required.

### 5.2 Stationary Noise (non-emergency equipment)

The noise modelling software program DBMap (utilizing algorithms based on ISO 9613 and 17534) was used to model stationary noise.

As described previously, there are a number of stationary noise sources (non-emergency) that may impact either onsite or offsite sensitive receivers. The following general assumptions were made and used in the model:

- Temperature: 20c
- Relative humidity: 70%
- Application of reflections: 1<sup>st</sup> and 2<sup>nd</sup> order of reflections
- ISO reflector size check: Yes
- Equipment operation: 100% active
- Ground surface characteristics: G=0 (i.e., hard ground) – conservative assumption

The results of the modelling are shown graphically on **Drawing N2** and **N3** in **Appendix C**.



As will be observed, noise levels are below criteria at all sensitive receiver locations (both onsite and offsite). Accordingly, noise mitigation is not required for stationary noise sources.

Note, the noise level criteria has conservatively been assumed to be the MECP exclusionary limit. However, it is likely ambient noise level is higher given the urban environment, and especially given traffic noise from a Regional Road (Speedvale Avenue East).

### 5.3 Stationary Noise (emergency equipment)

At time of writing, the size and type of emergency generator was not known. However, given the proposed location of the equipment (i.e., on the western side of the Apartment Building – location S3), it is anticipated that noise mitigation will be required. This mitigation shall take the form of a noise enclosure completely surrounding the generator on all sides and on top (i.e., a roof). The enclosure shall be designed to ensure environmental noise exterior to the enclosure is no greater than 55 dBA.

## 6 Conclusions and Recommendations

Given the results of the noise analysis presented herein, the following recommendations are made to ensure the proposed development complies with municipal and provincial noise guidelines:

#### Recommendation #1 (All units)

All units within the Site shall include the Clause reading as follows:

*“The Transferee covenants with the Transferor that the below clause, verbatim, will be included in all subsequent Agreements of Purchase of sale or lease and Sale and Deeds conveying the lands described herein, which covenant shall run with the said lands and is for the benefit of the subsequent owners and renters of the said lands and the owner of the adjacent road.”*

#### Recommendation #2 (All units)

All units of the proposed Apartment Building shall include Noise Warning Clause Type ‘A’ reading as follows:

*“Purchasers/tenants are advised that sound levels due to increasing road traffic may occasionally interfere with some activities of the dwelling occupants as the sound levels exceed the sound level limits of the Municipality and the Ministry of the Environment.”*

#### Recommendation #3 (Western, Eastern and Northern facing units)

All western, eastern and northern facing units (i.e., all units with exposure to Speedvale Avenue East) within the Site shall include Noise Warning Clause Type ‘C’ reading as follows:

*“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 municipal and provincial sound level limits.”*



*“The building components of this dwelling unit (walls, windows and exterior doors) have been designed to provide acoustic insulation so that, when windows and exterior doors are closed, the indoor sound levels are within the municipal and provincial sound level limits. The details of this building component design are available by contacting the builder of this unit.”*

**Recommendation #3 (General)**

Any individual residential unit’s HVAC equipment shall be designed and installed per NPC 216, and be located to minimize exposure of potential noise on sensitive receivers (i.e., the equipment shall be located as distant from building openings to noise sensitive spaces as possible).

**Recommendation #4 (General)**

If an emergency generator is required and is located on the ground at the western side of the Apartment Building, this equipment shall be housed in an enclosure that mitigates environmental noise to a maximum of 55 dBA.

Furthermore, the operation of this equipment for maintenance or testing purposes shall only occur during daytime periods (i.e., 0700 to 1900), and preferably during the reduced hours of 0930 to 1630 to further minimize noise annoyance.

Based on the preceding, and with the implementation of the recommendations herein made, we conclude that the subject development can be developed in compliance with municipal environmental noise guidelines.

\* \* \* \* \*

Respectfully prepared,

**JPE Engineering**

John Perks, MBA, P.Eng.  
President

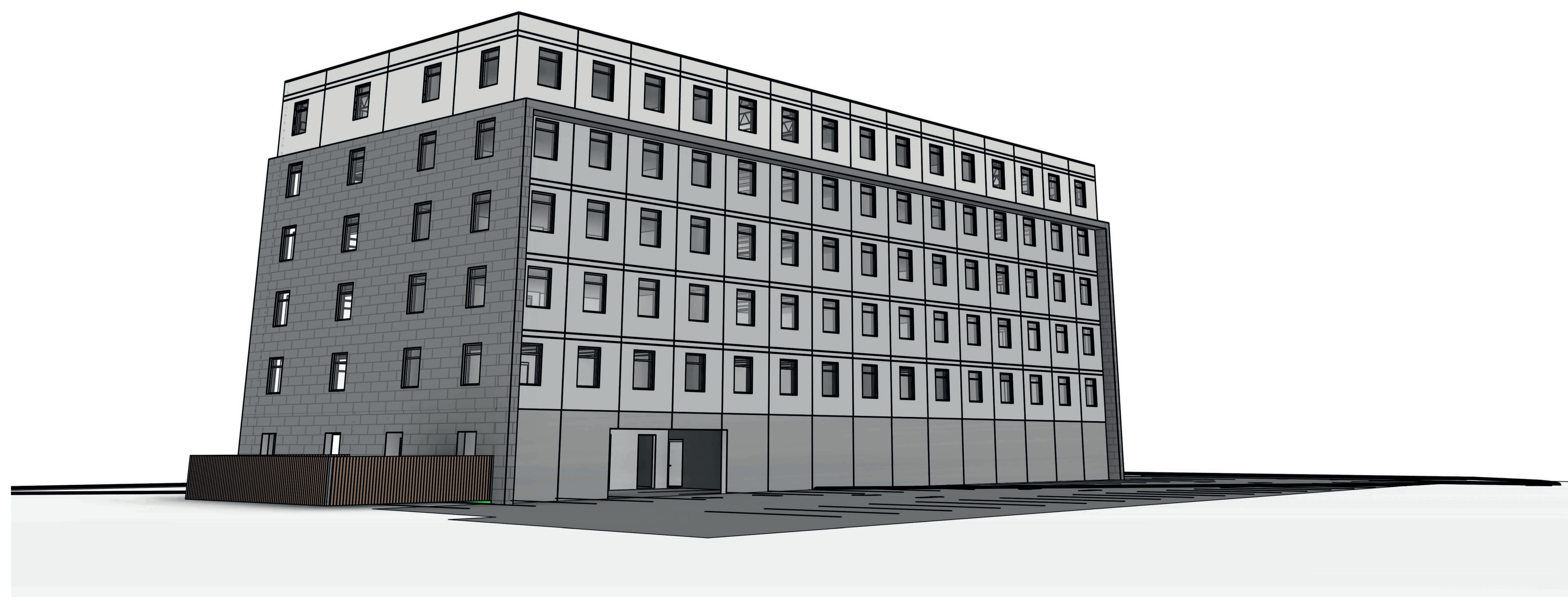
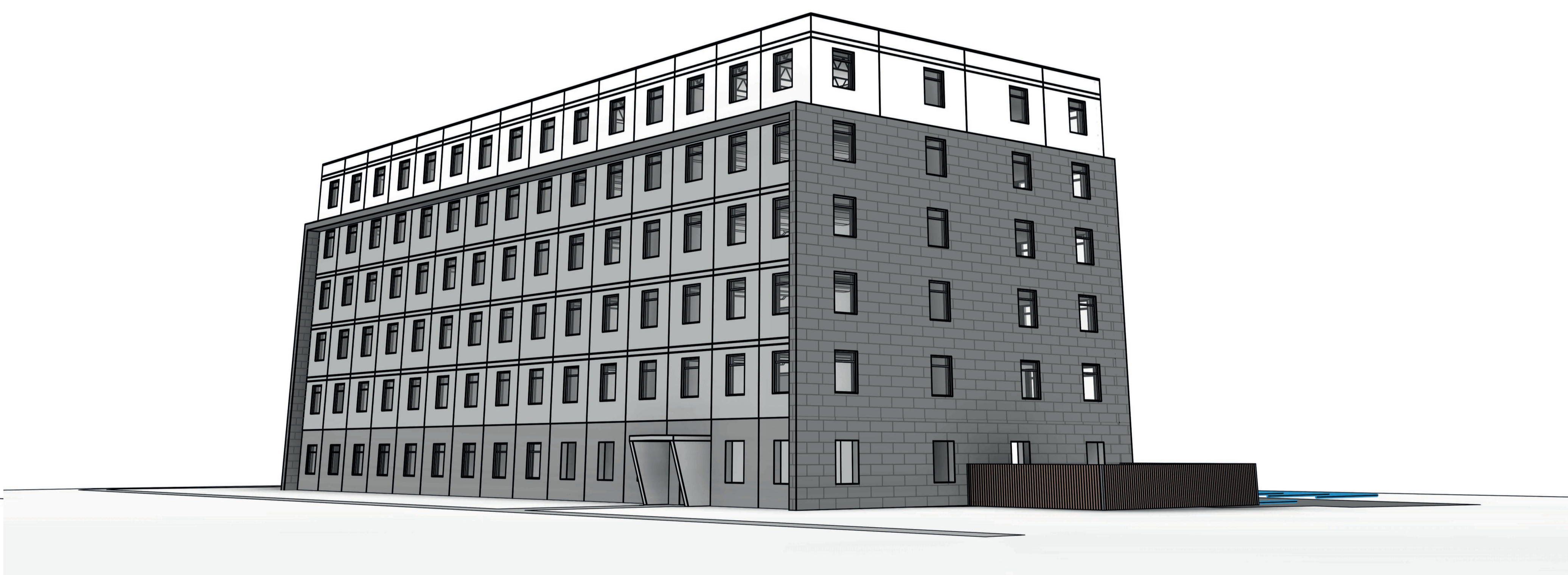
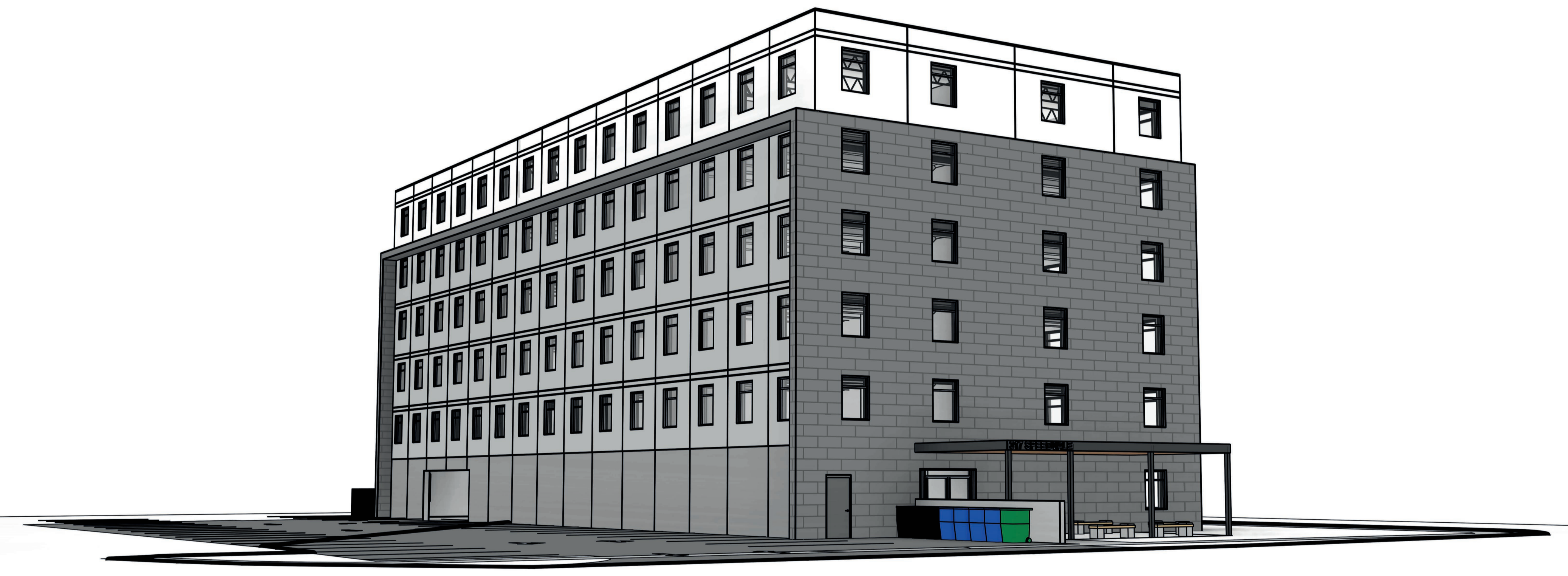


# **APPENDIX A:**

## Site Plan

## Architectural Plans

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**ARCHITECTURAL DRAWING SHEET LIST**

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A2.01	BASEMENT MAIN LEVEL & LEVEL 1.0	23/08/25	B	23-12-19
A2.03	LEVEL 2.0 AND 3.0 FLOOR PLAN	23/08/25	B	23-12-19
A3.01	BUILDING SECTIONS	23/08/25	B	23-12-19
A4.01	BUILDING ELEVATIONS	23/08/25	B	23-12-19
A4.02	BUILDING ELEVATIONS	23/08/25	B	23-12-19
A2.04	LEVEL 4.0 AND 5.0 FLOOR PLAN	03/01/22	B	23-12-19
A2.05	ROOF LEVEL	23/08/25	B	23-12-19

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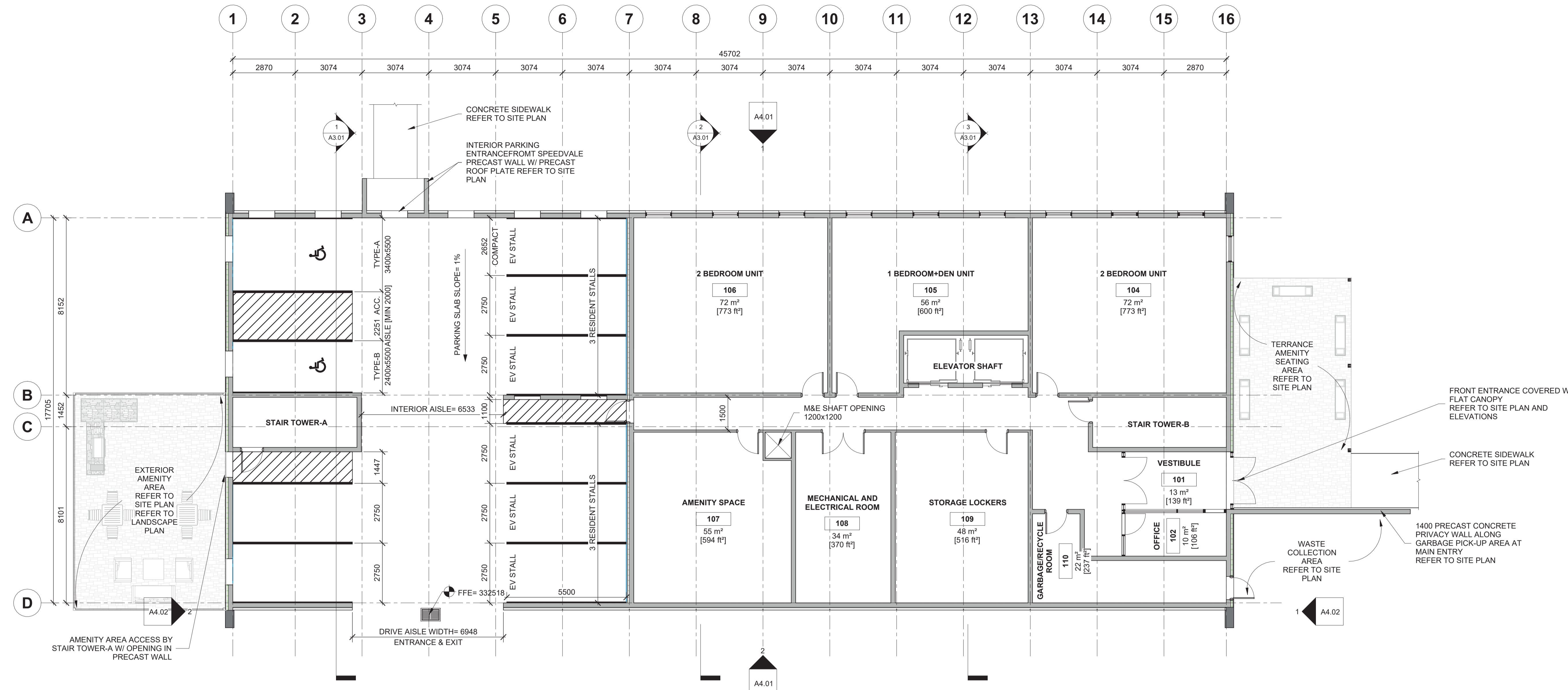
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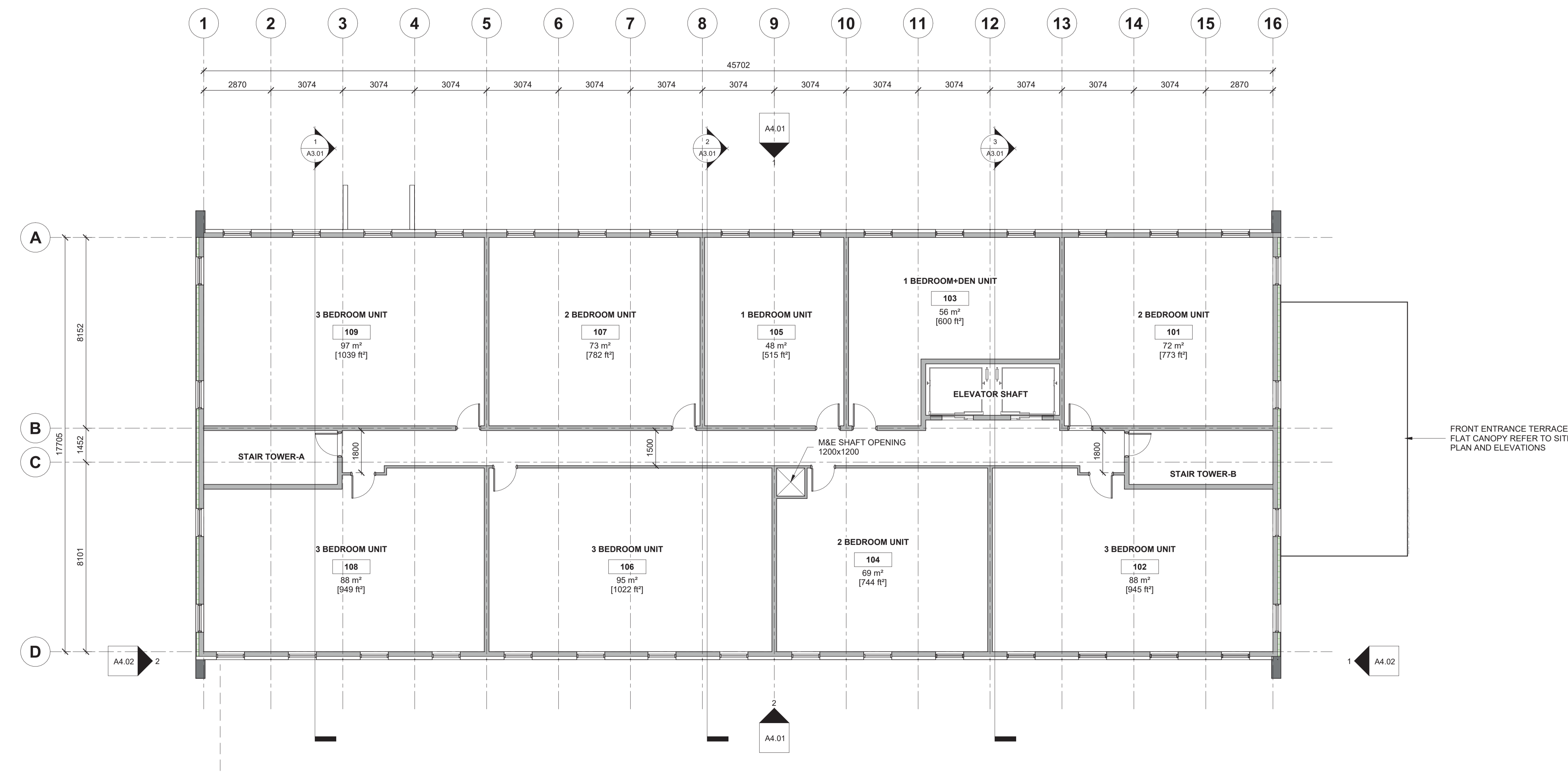
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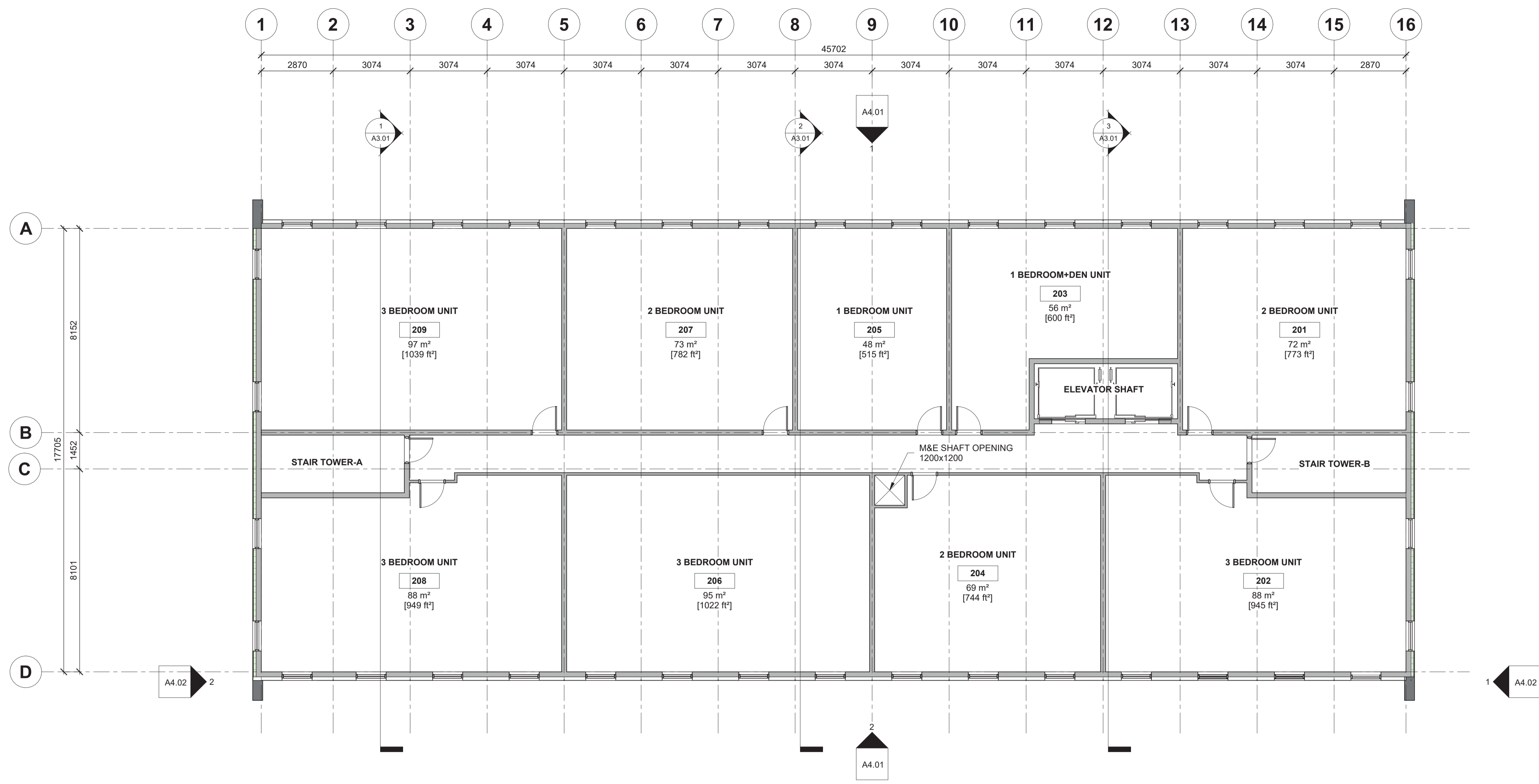
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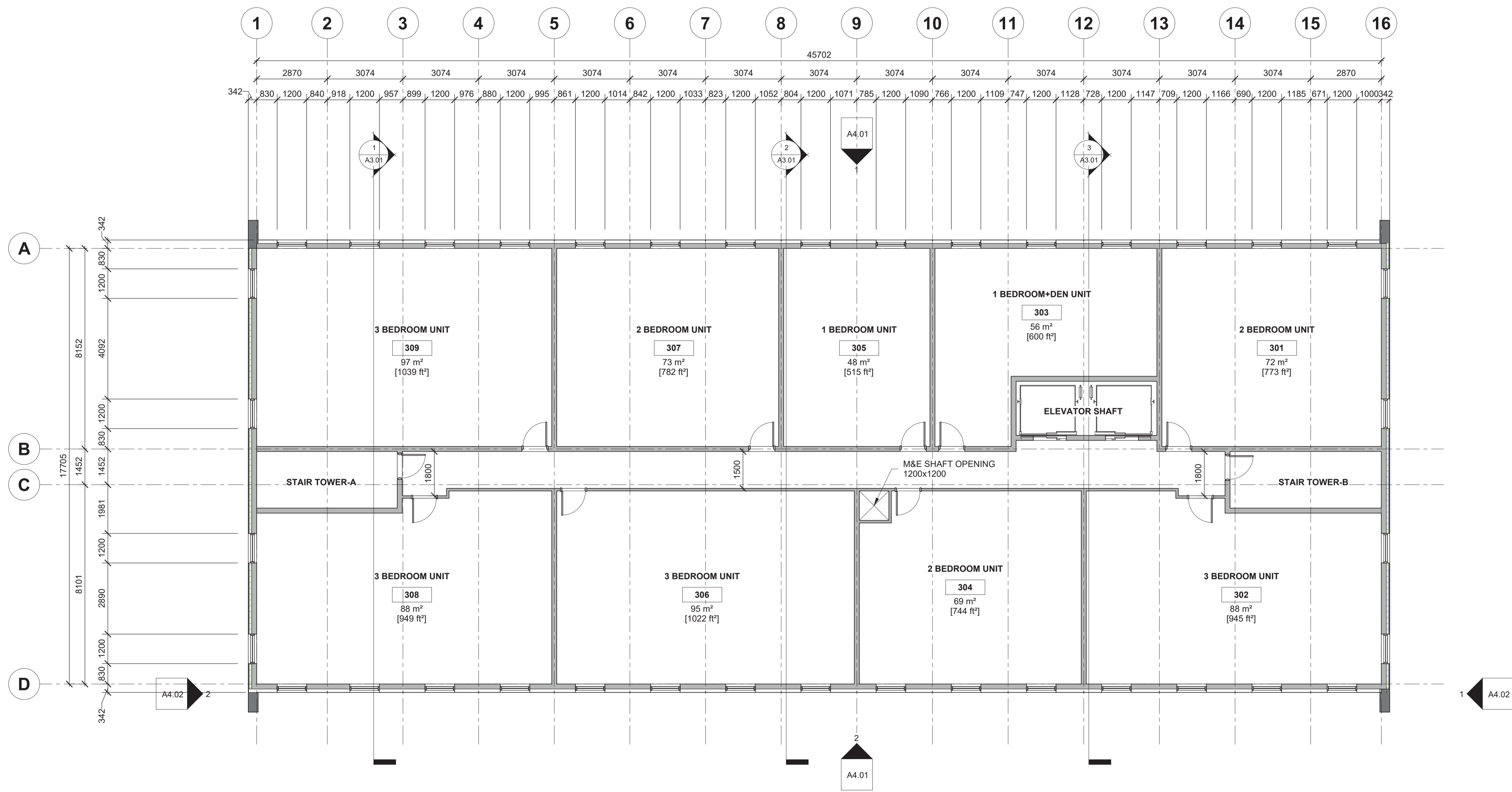
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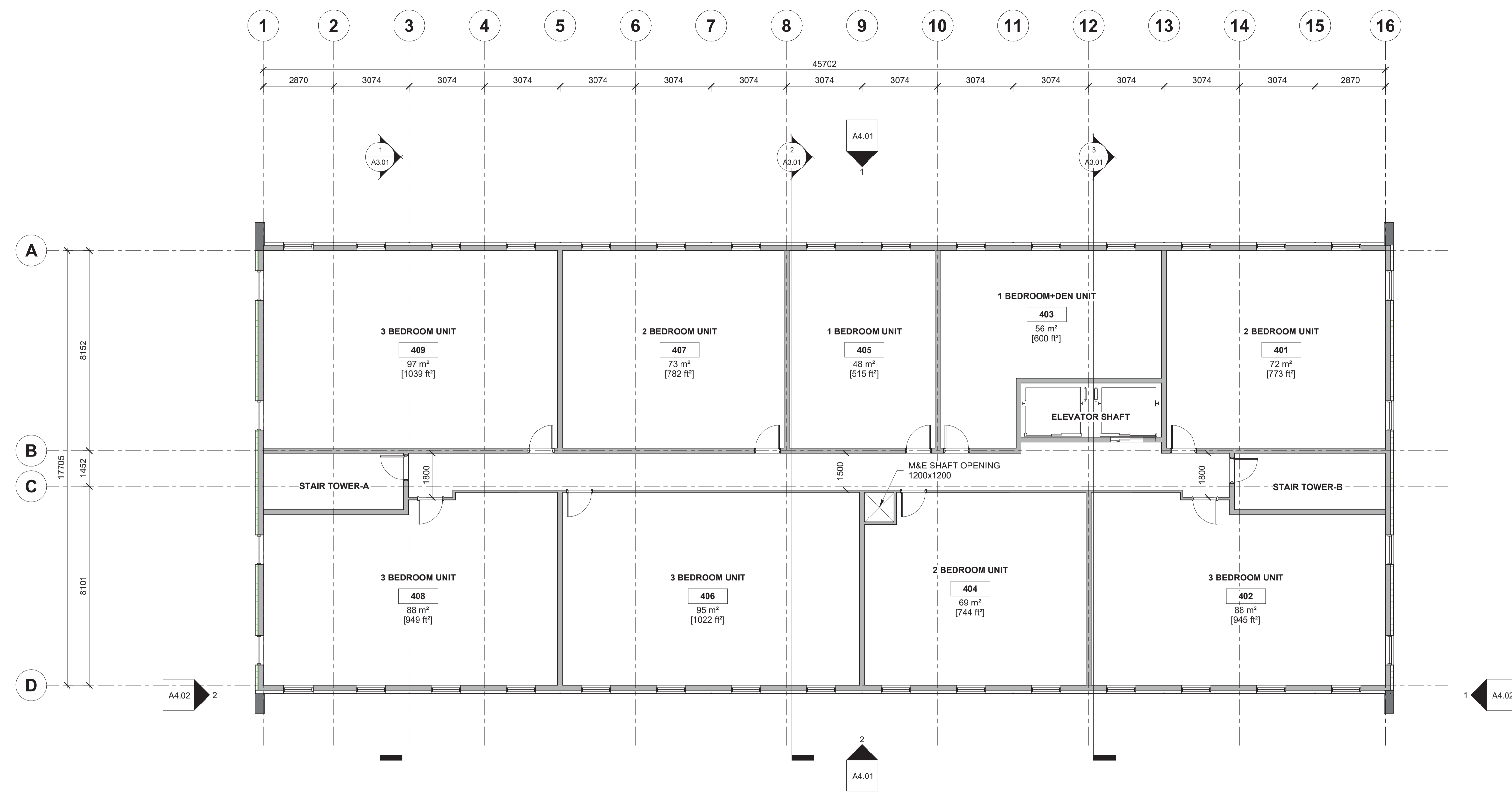
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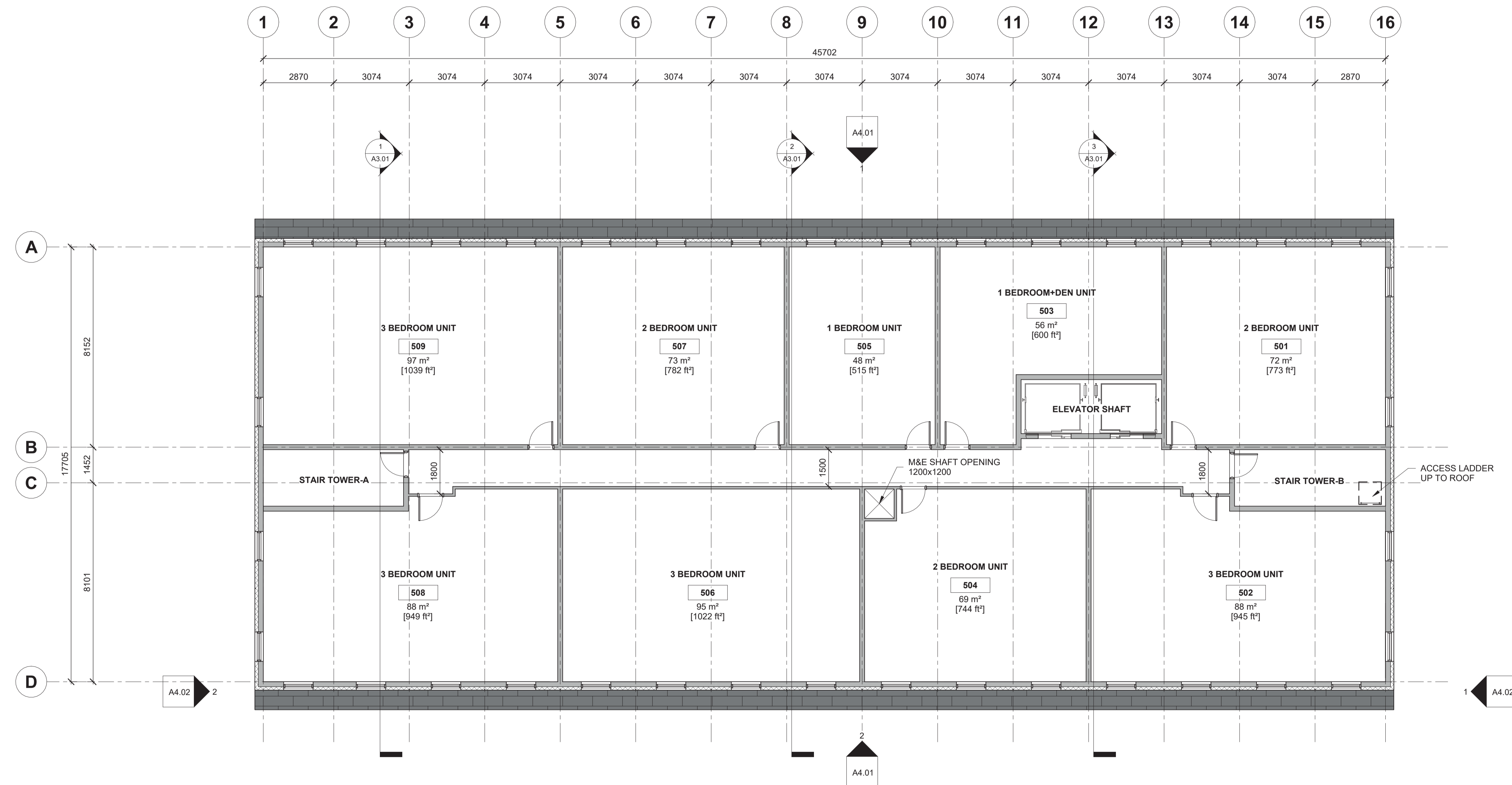
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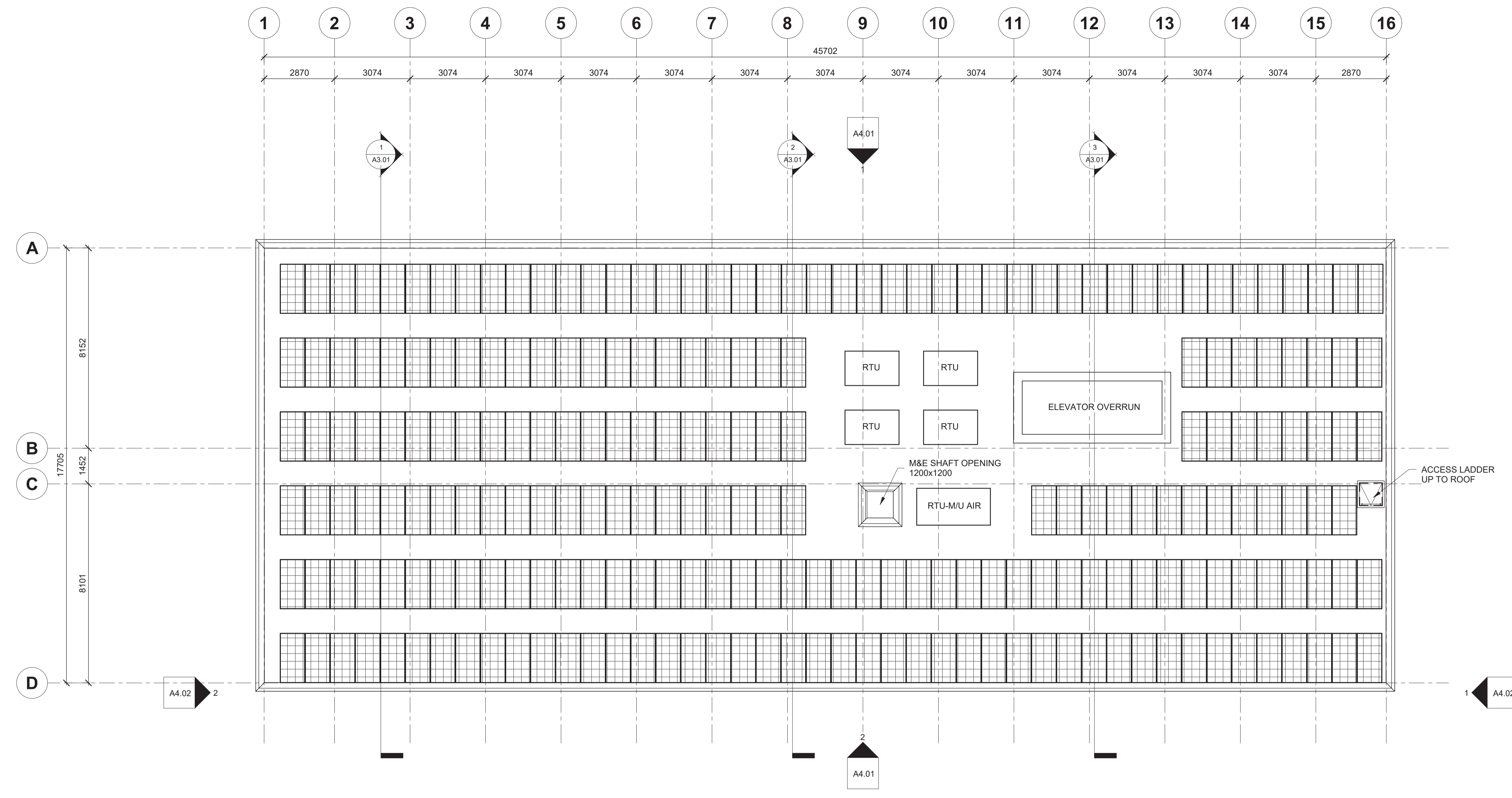
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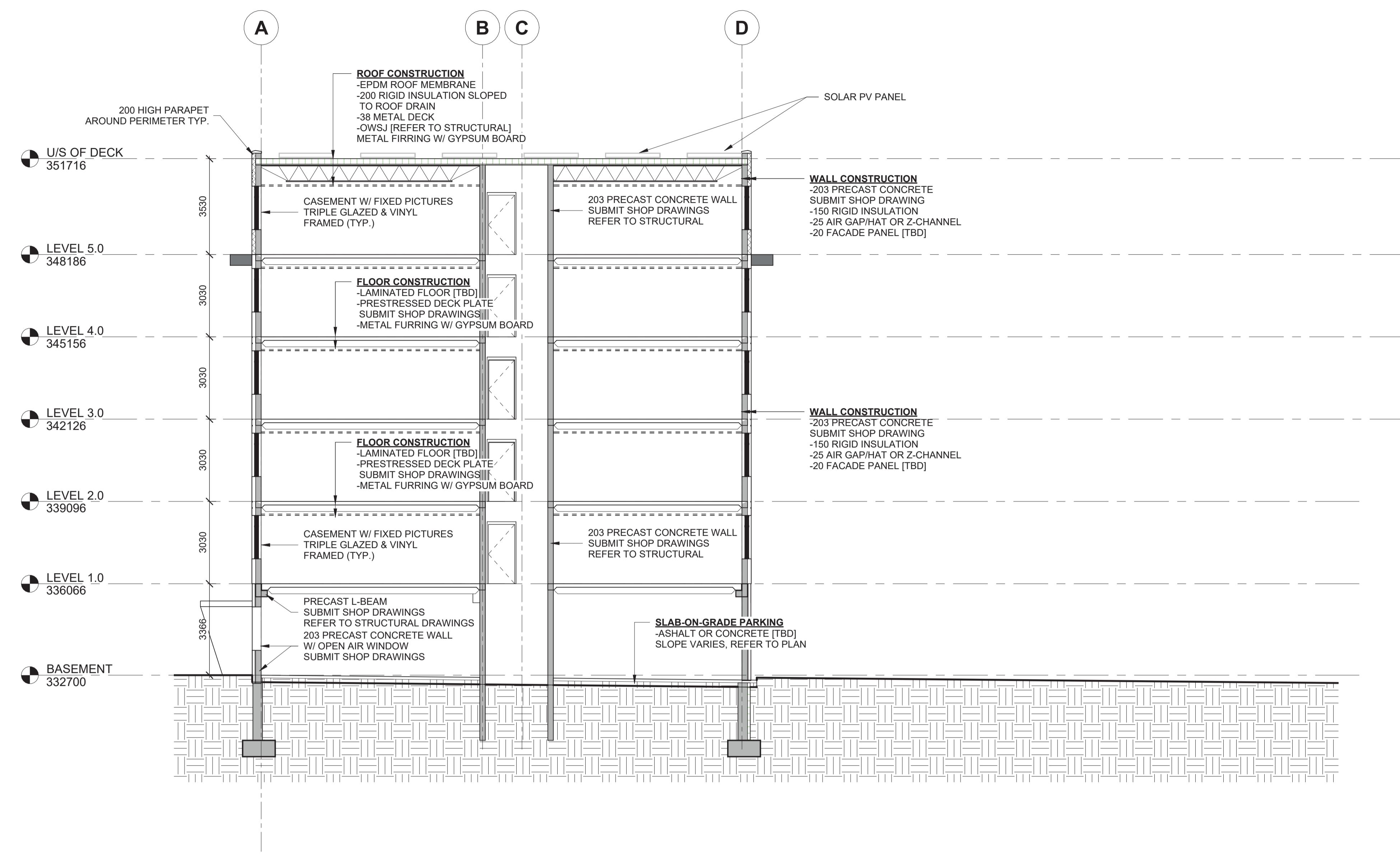
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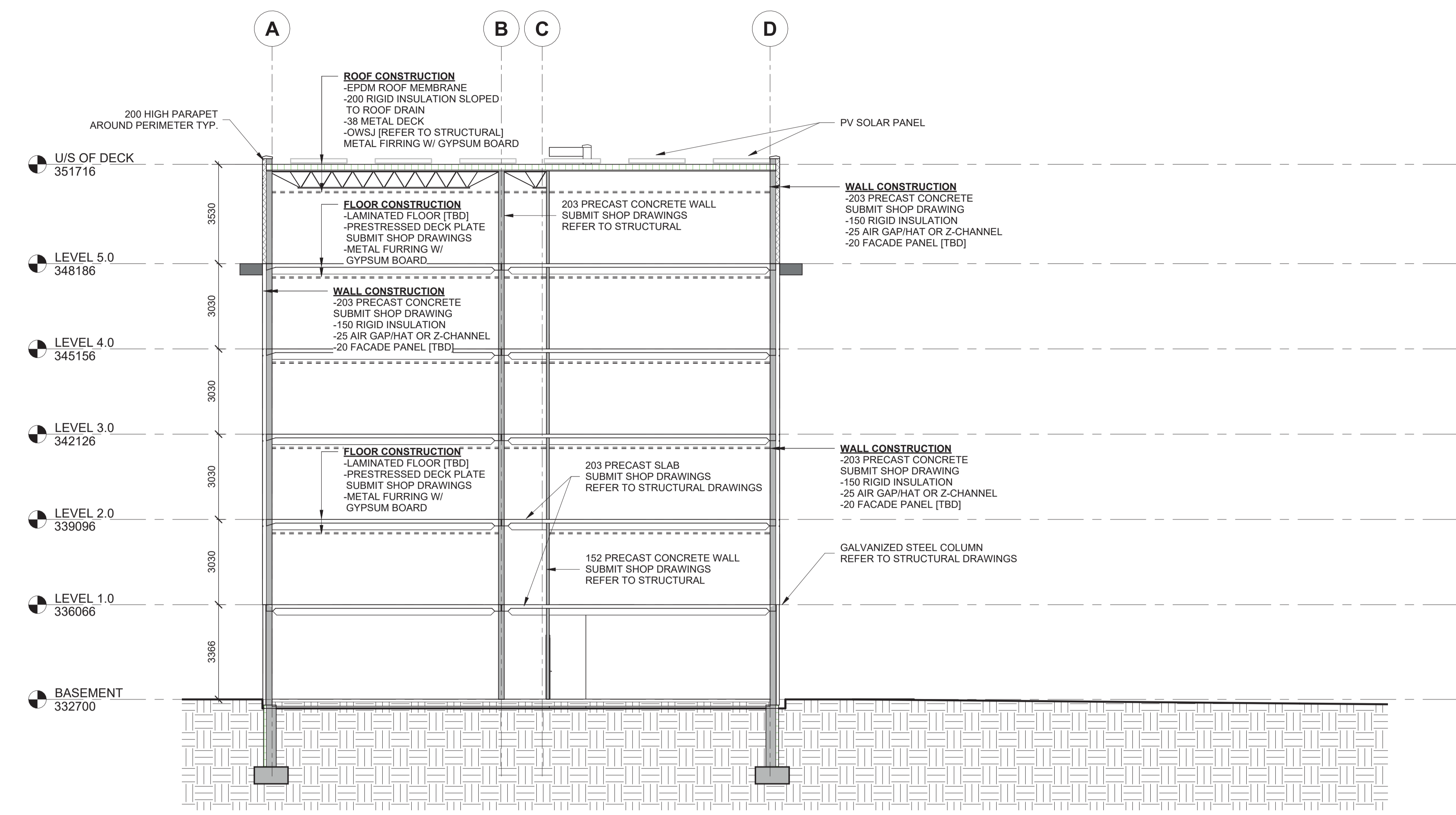
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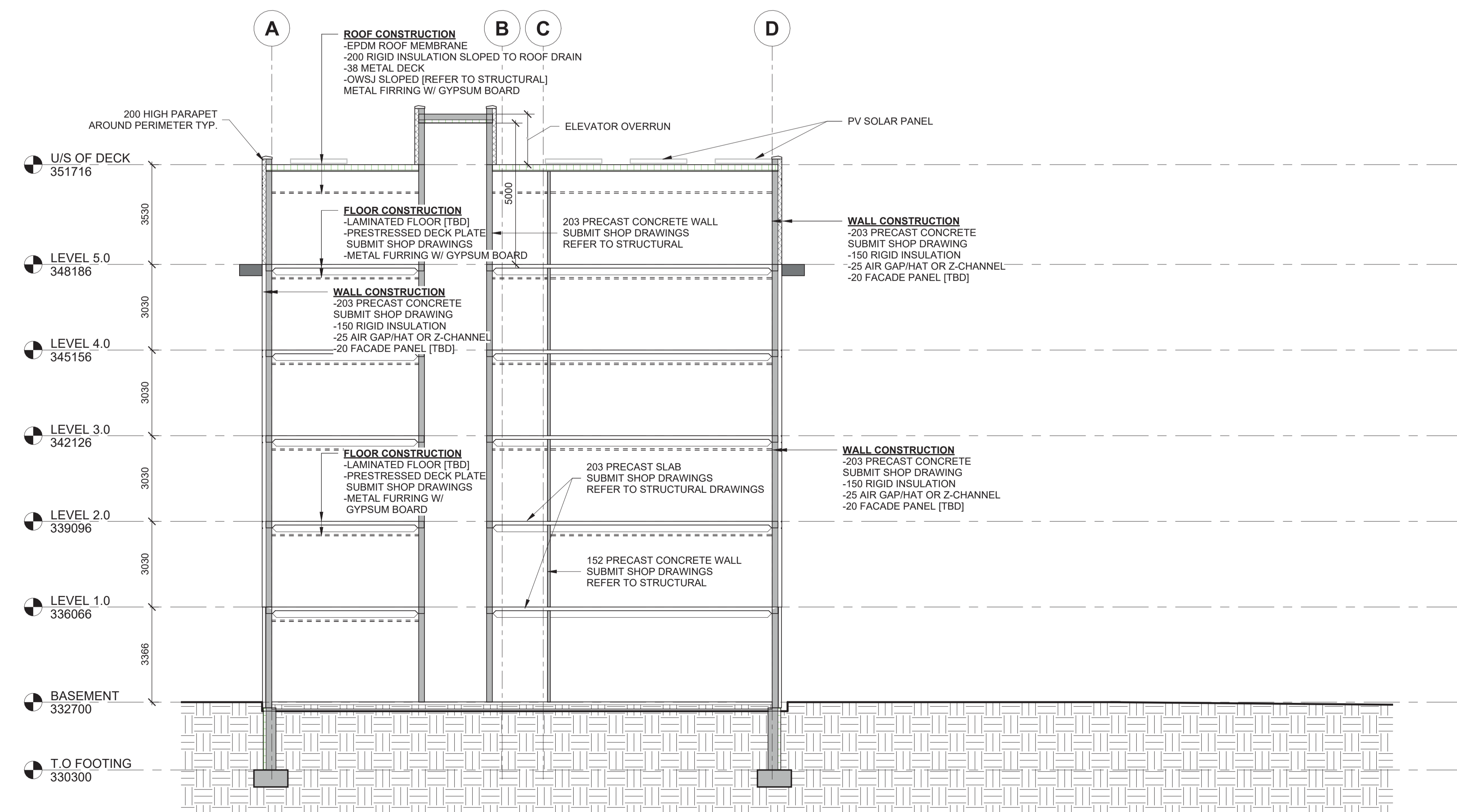




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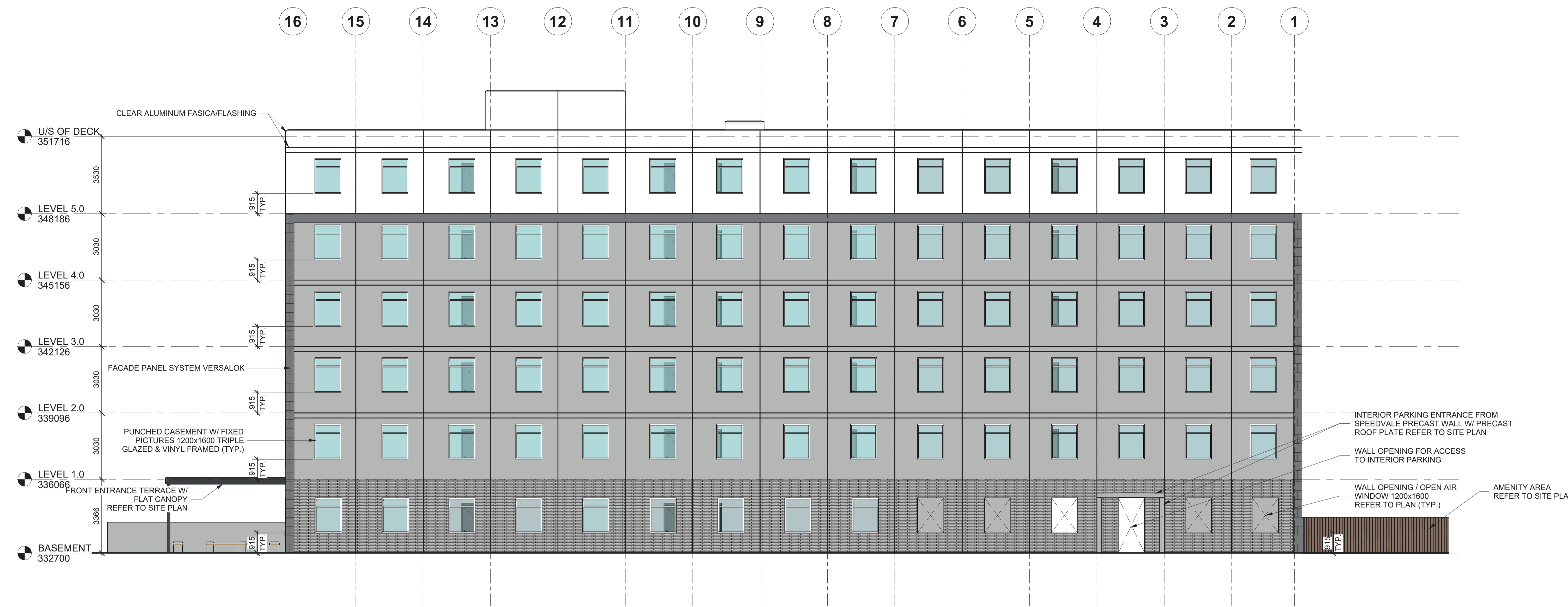
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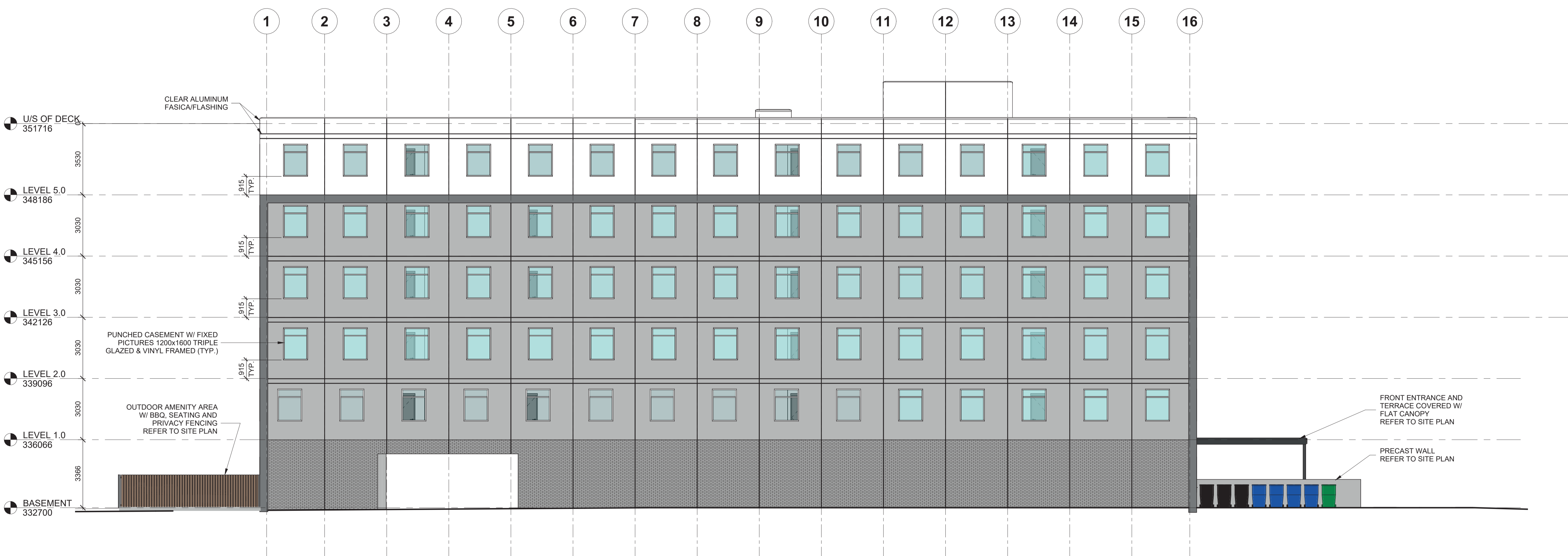
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**PROJECT**  
**SPEEDVALE AFFORDABLE HOUSING**  
MANHATTAN COURT & SPEEDVALE AVE E  
GUELPH, ON  
POSTAL CODE [TBD]

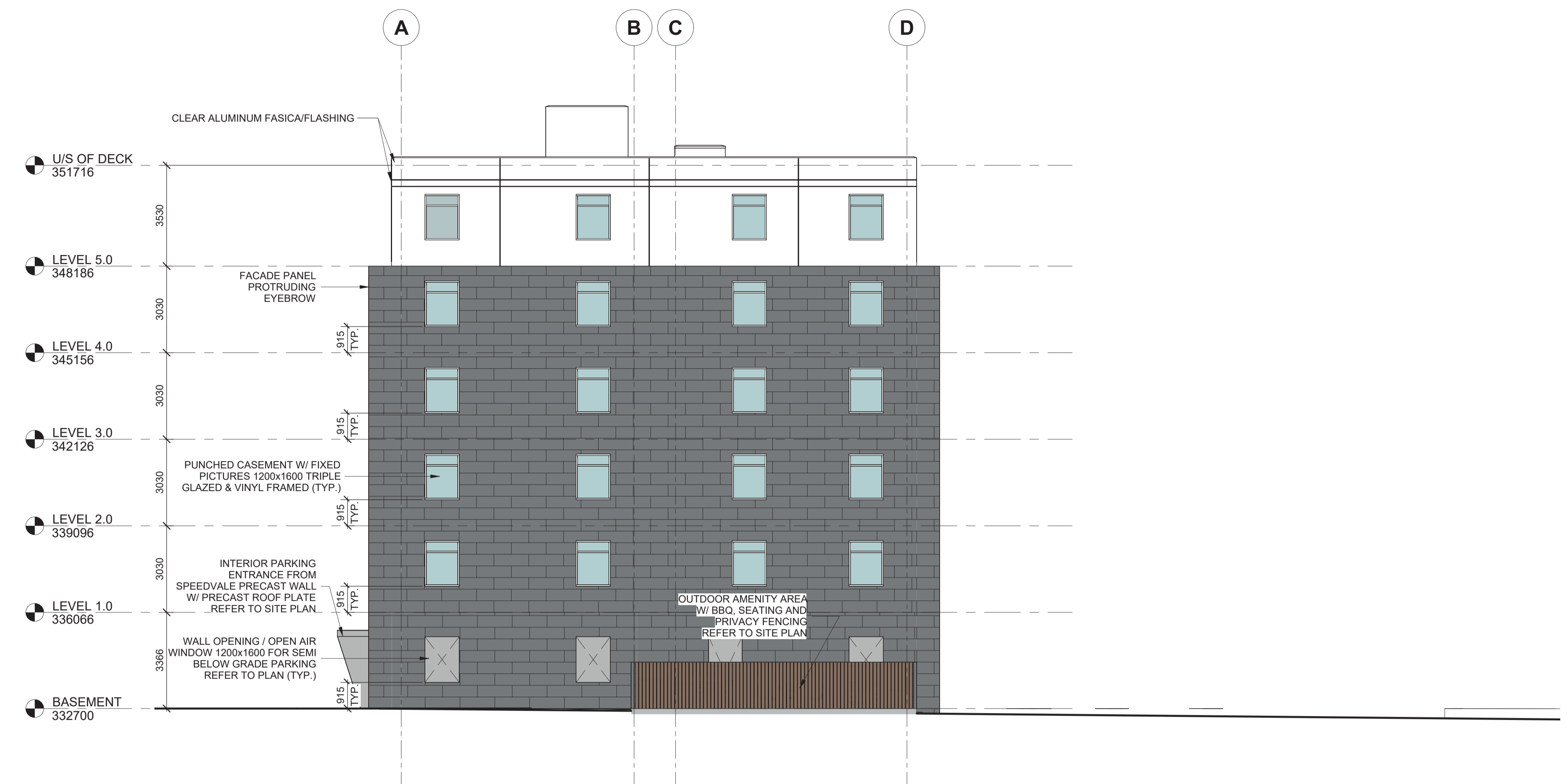
**DRAWING**  
**BUILDING ELEVATIONS**

PROJECT NO.:	23136
PROJECT DATE:	2023-07-20
DRAWN BY:	CVL
CHECKED BY:	CA
SCALE:	1 : 100

DRAWING NO. **A4.01**



**EAST BUILDING ELEVATION**  
SCALE: 1 : 100



**WEST BUILDING ELEVATION**  
SCALE: 1 : 100

#	23-12-19	ISSUED FOR SPA PRE-CONSULTATION	CVL
A	23-08-25	ISSUED FOR SPA PRE-CONSULTATION	CVL
#	DATE	DESCRIPTION	BY

**PROJECT**  
**SPEEDVALE AFFORDABLE HOUSING**  
MANHATTAN COURT & SPEEDVALE AVE E  
GUELPH, ON  
POSTAL CODE [TBD]

**DRAWING**  
**BUILDING ELEVATIONS**

PROJECT NO.:	23136
PROJECT DATE:	2023-07-20
DRAWN BY:	CVL
CHECKED BY:	CA
SCALE:	1 : 100

DRAWING NO. **A4.02**



# **APPENDIX B:**

## Traffic Noise Information

---



**SCALE:**  
 1:400  
 scale is approx. when plotted on 11x17 paper



#	REVISION	BY	DATE
1	First Submission	JRP	2024-01-10

- LEGEND:**
- x R-A Noise Receiver A
  - x S-1 Noise Source 1
  - Worst case distance receiver to source
  - Angle of exposure to line source

**BASE MAPPING SOURCES:**  
 - RofW GIS  
 - Nickolson Sheffield Architects Inc.

**JPE ENGINEERING** info@jpe-engineering.ca  
 519-577-2238  
 www.jpe-engineering.ca

555 BEECHWOOD DR.  
 WATERLOO, ON

**TRAFFIC NOISE INFORMATION**

<b>SHEET</b>	<b>DWG</b>	JPE-1045
1 of 3	N-1	

STAMSON 5.0                    NORMAL REPORT                    Date: 18-12-2023 15:20:09  
 MINISTRY OF ENVIRONMENT AND ENERGY / NOISE ASSESSMENT

Filename: speed a.te                    Time Period: Day/Night 16/8 hours

**Description: 313 SPEEDVALE AVE E. - REC. A**

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

```
-----
Car traffic volume   : 13878/1542   veh/TimePeriod  *
Medium truck volume :    363/40     veh/TimePeriod  *
Heavy truck volume  :    261/29     veh/TimePeriod  *
Posted speed limit  :     50 km/h
Road gradient       :      3 %
Road pavement      :      1 (Typical asphalt or concrete)
```

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

```
24 hr Traffic Volume (AADT or SADT): 13879
Percentage of Annual Growth       : 1.00
Number of Years of Growth         : 15.00
Medium Truck % of Total Volume    : 2.50
Heavy Truck % of Total Volume     : 1.80
Day (16 hrs) % of Total Volume    : 90.00
```

Data for Segment # 1: Speedvale (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 : 18.00 / 18.00 m
Receiver height : 4.50 / 4.50 m
Topography      :      1      (Flat/gentle slope; no barrier)
Reference angle :      0.00
```



Results segment # 1: Speedvale (day)

-----  
Source height = 1.16 m

ROAD (0.00 + 63.47 + 0.00) = 63.47 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.58	66.04	0.00	-1.25	-1.32	0.00	0.00	0.00	63.47

-----  
Segment Leq : 63.47 dBA

Total Leq All Segments: 63.47 dBA

Results segment # 1: Speedvale (night)

-----  
Source height = 1.16 m

ROAD (0.00 + 56.93 + 0.00) = 56.93 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.58	59.50	0.00	-1.25	-1.32	0.00	0.00	0.00	56.93

-----  
Segment Leq : 56.93 dBA

Total Leq All Segments: 56.93 dBA

**TOTAL Leq FROM ALL SOURCES (DAY): 63.47**  
**(NIGHT): 56.93**

STAMSON 5.0                    NORMAL REPORT                    Date: 18-12-2023 15:20:44  
 MINISTRY OF ENVIRONMENT AND ENERGY / NOISE ASSESSMENT

Filename: speed b.te                    Time Period: Day/Night 16/8 hours

**Description: 313 SPEEDVALE AVE E. - REC. B**

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

```
-----
Car traffic volume   : 13878/1542   veh/TimePeriod  *
Medium truck volume :    363/40     veh/TimePeriod  *
Heavy truck volume  :    261/29     veh/TimePeriod  *
Posted speed limit  :     50 km/h
Road gradient       :      3 %
Road pavement      :      1 (Typical asphalt or concrete)
```

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

```
24 hr Traffic Volume (AADT or SADT): 13879
Percentage of Annual Growth         : 1.00
Number of Years of Growth           : 15.00
Medium Truck % of Total Volume      : 2.50
Heavy Truck % of Total Volume       : 1.80
Day (16 hrs) % of Total Volume      : 90.00
```

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

```
-----
Angle1  Angle2           : -90.00 deg   0.00 deg
Wood depth           :      0      (No woods.)
No of house rows     :      0 / 0
Surface              :      1      (Absorptive ground surface)
Receiver source distance : 18.00 / 18.00 m
Receiver height      :  4.50 / 4.50 m
Topography           :      1      (Flat/gentle slope; no barrier)
Reference angle      :      0.00
```

Results segment # 1: Speedvale (day)

-----  
Source height = 1.16 m

ROAD (0.00 + 60.46 + 0.00) = 60.46 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	0	0.58	66.04	0.00	-1.25	-4.33	0.00	0.00	0.00	60.46

-----  
Segment Leq : 60.46 dBA

Total Leq All Segments: 60.46 dBA

Results segment # 1: Speedvale (night)

-----  
Source height = 1.16 m

ROAD (0.00 + 53.92 + 0.00) = 53.92 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	0	0.58	59.50	0.00	-1.25	-4.33	0.00	0.00	0.00	53.92

-----  
Segment Leq : 53.92 dBA

Total Leq All Segments: 53.92 dBA

**TOTAL Leq FROM ALL SOURCES (DAY): 60.46**  
**(NIGHT): 53.92**

**Accu-Traffic Inc.**  
**85 West Wilmot St., Unit 13,**  
**Richmond Hill, ON, L4B 1K7**  
**Tel: 1- 416-910-0171 Fax: 1-888-711-3125**  
**E-mail: solutions@accu-traffic.ca**  
**URL: http://www.accu-traffic.ca**

Site Code: 04  
 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

Start Time	19-Sep-19 Thu	EB	WB	Combined Total	
12:00 AM		54	25	79	■
01:00		14	13	27	■
02:00		17	11	28	■
03:00		17	12	29	■
04:00		33	40	73	■
05:00		72	157	229	▬
06:00		160	391	551	▬
07:00		270	504	774	▬
08:00		378	576	954	▬
09:00		350	455	805	▬
10:00		360	405	765	▬
11:00		424	394	818	▬
12:00 PM		417	449	866	▬
01:00		385	436	821	▬
02:00		480	441	921	▬
03:00		586	463	1049	▬
04:00		712	503	1215	▬
05:00		687	513	1200	▬
06:00		528	537	1065	▬
07:00		456	365	821	▬
08:00		349	262	611	▬
09:00		210	159	369	▬
10:00		127	143	270	▬
11:00		118	64	182	■
Total		7204	7318		
Percent		49.6%	50.4%		

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Site Code: 04  
 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

Start Time	20-Sep-19 Fri	EB	WB	Combined Total	
12:00 AM		44	25	69	■
01:00		15	12	27	■
02:00		22	10	32	■
03:00		19	12	31	■
04:00		37	42	79	■
05:00		81	172	253	▬
06:00		143	359	502	▬
07:00		271	485	756	▬
08:00		397	623	1020	▬
09:00		310	454	764	▬
10:00		385	449	834	▬
11:00		436	425	861	▬
12:00 PM		511	462	973	▬
01:00		484	466	950	▬
02:00		542	468	1010	▬
03:00		695	506	1201	▬
04:00		797	553	1350	▬
05:00		690	525	1215	▬
06:00		562	491	1053	▬
07:00		458	402	860	▬
08:00		314	236	550	▬
09:00		213	150	363	▬
10:00		144	106	250	▬
11:00		165	94	259	▬
Total		7735	7527		
Percent		50.7%	49.3%		

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 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

Start Time	21-Sep-19 Sat	EB	WB	Combined Total	
12:00 AM		59	38	97	█
01:00		47	40	87	█
02:00		29	20	49	█
03:00		26	13	39	█
04:00		22	29	51	█
05:00		39	69	108	█
06:00		73	134	207	▬
07:00		177	180	357	▬
08:00		238	317	555	▬
09:00		334	438	772	▬
10:00		453	507	960	▬
11:00		551	606	1157	▬
12:00 PM		560	537	1097	▬
01:00		539	518	1057	▬
02:00		518	503	1021	▬
03:00		559	497	1056	▬
04:00		530	470	1000	▬
05:00		424	396	820	▬
06:00		397	397	794	▬
07:00		373	347	720	▬
08:00		280	275	555	▬
09:00		146	153	299	▬
10:00		145	109	254	▬
11:00		91	97	188	█
Total		6610	6690		
Percent		49.7%	50.3%		

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 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

Start Time	22-Sep-19 Sun	EB	WB	Combined Total	
12:00 AM		58	54	112	█
01:00		30	40	70	█
02:00		31	20	51	█
03:00		21	17	38	█
04:00		19	20	39	█
05:00		28	40	68	█
06:00		44	77	121	█
07:00		77	116	193	▬
08:00		156	189	345	▬
09:00		235	364	599	▬
10:00		322	455	777	▬
11:00		446	482	928	▬
12:00 PM		523	532	1055	▬
01:00		510	493	1003	▬
02:00		478	479	957	▬
03:00		510	467	977	▬
04:00		473	489	962	▬
05:00		416	387	803	▬
06:00		289	314	603	▬
07:00		288	307	595	▬
08:00		193	218	411	▬
09:00		98	139	237	▬
10:00		92	135	227	▬
11:00		45	46	91	█
Total		5382	5880		
Percent		47.8%	52.2%		

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 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

Start Time	23-Sep-19 Mon	EB	WB	Combined Total	
12:00 AM		16	17	33	■
01:00		11	14	25	■
02:00		10	7	17	■
03:00		7	12	19	■
04:00		25	43	68	■
05:00		81	167	248	▬
06:00		168	377	545	▬
07:00		299	558	857	▬
08:00		360	653	1013	▬
09:00		286	423	709	▬
10:00		322	389	711	▬
11:00		381	370	751	▬
12:00 PM		432	434	866	▬
01:00		409	429	838	▬
02:00		487	437	924	▬
03:00		645	482	1127	▬
04:00		703	518	1221	▬
05:00		722	488	1210	▬
06:00		420	453	873	▬
07:00		369	296	665	▬
08:00		265	181	446	▬
09:00		174	122	296	▬
10:00		114	125	239	▬
11:00		127	51	178	■
Total		6833	7046		
Percent		49.2%	50.8%		



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Site Code: 04  
 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

Start Time	24-Sep-19 Tue	EB	WB	Combined Total	
12:00 AM		42	20	62	■
01:00		22	27	49	■
02:00		25	14	39	■
03:00		13	10	23	■
04:00		39	47	86	■
05:00		69	171	240	▬
06:00		181	389	570	▬
07:00		287	536	823	▬
08:00		370	632	1002	▬
09:00		302	487	789	▬
10:00		337	408	745	▬
11:00		362	386	748	▬
12:00 PM		400	410	810	▬
01:00		376	418	794	▬
02:00		437	462	899	▬
03:00		663	500	1163	▬
04:00		781	539	1320	▬
05:00		717	492	1209	▬
06:00		490	483	973	▬
07:00		392	343	735	▬
08:00		291	232	523	▬
09:00		204	128	332	▬
10:00		128	136	264	▬
11:00		128	63	191	■
Total		7056	7333		
Percent		49.0%	51.0%		

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Site Code: 04  
 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

Start Time	25-Sep-19 Wed	EB	WB	Combined Total	
12:00 AM		44	27	71	■
01:00		21	16	37	■
02:00		27	18	45	■
03:00		12	16	28	■
04:00		35	45	80	■
05:00		73	162	235	▬
06:00		158	389	547	▬
07:00		293	564	857	▬
08:00		385	684	1069	▬
09:00		326	416	742	▬
10:00		340	395	735	▬
11:00		377	388	765	▬
12:00 PM		458	414	872	▬
01:00		403	423	826	▬
02:00		468	480	948	▬
03:00		642	482	1124	▬
04:00		729	538	1267	▬
05:00		685	498	1183	▬
06:00		476	492	968	▬
07:00		451	342	793	▬
08:00		276	242	518	▬
09:00		216	156	372	▬
10:00		128	132	260	▬
11:00		131	65	196	▬
Total		7154	7384		
Percent		49.2%	50.8%		
Grand Total		47974	49178		
Percentage		49.4%	50.6%		
ADT		ADT 13,879			

AADT 13,879

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EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total
09/19/19	0	41	11	1	1	0	0	0	0	0	0	0	0	0	54
01:00	1	10	3	0	0	0	0	0	0	0	0	0	0	0	14
02:00	0	14	3	0	0	0	0	0	0	0	0	0	0	0	17
03:00	0	14	3	0	0	0	0	0	0	0	0	0	0	0	17
04:00	0	26	5	1	1	0	0	0	0	0	0	0	0	0	33
05:00	0	49	19	1	3	0	0	0	0	0	0	0	0	0	72
06:00	2	128	22	3	5	0	0	0	0	0	0	0	0	0	160
07:00	2	201	49	1	9	0	2	3	0	0	0	0	0	3	270
08:00	0	275	64	17	13	1	1	3	0	0	0	0	0	4	378
09:00	3	256	69	4	9	1	2	1	1	0	0	0	0	4	350
10:00	3	268	62	4	13	1	1	3	2	0	0	0	0	3	360
11:00	1	326	77	4	6	2	1	4	1	0	0	0	0	2	424
12 PM	2	314	73	6	14	2	2	3	0	0	0	0	0	1	417
13:00	4	292	66	5	10	1	1	3	1	0	0	0	0	2	385
14:00	2	362	85	3	17	1	4	2	1	0	0	0	0	3	480
15:00	2	473	75	6	16	1	6	3	0	0	0	0	0	4	586
16:00	3	555	122	4	14	0	1	6	0	0	0	0	0	7	712
17:00	4	539	103	4	13	2	8	5	1	0	0	0	0	8	687
18:00	4	401	100	3	6	0	3	4	0	0	0	0	1	6	528
19:00	1	378	57	2	9	0	3	1	0	0	0	0	0	5	456
20:00	1	284	47	2	5	0	5	0	0	0	0	0	0	5	349
21:00	2	174	28	2	1	0	2	1	0	0	0	0	0	0	210
22:00	1	107	14	2	0	0	0	0	0	0	0	0	0	3	127
23:00	0	97	16	2	1	0	0	0	0	0	0	0	0	2	118
Total	38	5584	1173	77	166	12	42	42	7	0	0	0	1	62	7204
Percent	0.5%	77.5%	16.3%	1.1%	2.3%	0.2%	0.6%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.9%	
AM Peak	09:00	11:00	11:00	08:00	08:00	11:00	07:00	11:00	10:00					08:00	
Vol.	3	326	77	17	13	2	2	4	2					4	
PM Peak	13:00	16:00	16:00	12:00	14:00	12:00	17:00	16:00	13:00				18:00	17:00	
Vol.	4	555	122	6	17	2	8	6	1				1	8	

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Latitude: 0' 0.0000 Undefined

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total
09/20/19	1	33	9	1	0	0	0	0	0	0	0	0	0	0	44
01:00	0	14	1	0	0	0	0	0	0	0	0	0	0	0	15
02:00	0	20	2	0	0	0	0	0	0	0	0	0	0	0	22
03:00	0	14	4	0	0	0	0	0	1	0	0	0	0	0	19
04:00	0	28	7	0	2	0	0	0	0	0	0	0	0	0	37
05:00	0	58	19	3	0	0	0	0	0	0	0	0	0	1	81
06:00	1	112	23	2	4	1	0	0	0	0	0	0	0	0	143
07:00	0	195	55	3	12	1	3	0	0	0	0	0	0	2	271
08:00	0	284	72	12	12	0	1	5	1	0	0	0	0	10	397
09:00	1	229	55	5	11	1	0	2	2	0	0	0	0	4	310
10:00	6	281	76	3	11	0	0	4	1	0	0	0	0	3	385
11:00	4	344	62	2	12	1	1	6	0	0	0	0	0	4	436
12 PM	5	382	87	6	18	1	4	2	0	0	0	0	0	6	511
13:00	6	372	81	4	14	0	0	2	0	0	0	0	0	5	484
14:00	6	418	86	3	17	1	3	0	2	0	0	0	2	4	542
15:00	1	542	115	10	13	2	4	2	0	0	0	0	0	6	695
16:00	4	618	140	3	16	1	8	2	0	1	0	0	0	4	797
17:00	2	562	88	5	10	0	5	5	0	0	0	0	0	13	690
18:00	3	448	91	5	6	1	0	4	0	0	0	0	0	4	562
19:00	0	379	68	3	2	2	0	2	0	0	0	0	0	2	458
20:00	4	251	53	1	2	0	1	1	0	0	0	0	0	1	314
21:00	0	177	30	2	2	0	0	1	0	0	0	0	0	1	213
22:00	0	124	16	2	1	0	1	0	0	0	0	0	0	0	144
23:00	0	142	20	2	1	0	0	0	0	0	0	0	0	0	165
Total	44	6027	1260	77	166	12	31	38	7	1	0	0	2	70	7735
Percent	0.6%	77.9%	16.3%	1.0%	2.1%	0.2%	0.4%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.9%	
AM Peak	10:00	11:00	10:00	08:00	07:00	06:00	07:00	11:00	09:00					08:00	
Vol.	6	344	76	12	12	1	3	6	2					10	
PM Peak	13:00	16:00	16:00	15:00	12:00	15:00	16:00	17:00	14:00	16:00			14:00	17:00	
Vol.	6	618	140	10	18	2	8	5	2	1			2	13	

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**URL: http://www.accu-traffic.ca**

Site Code: 04  
 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total
09/21/19	1	47	8	1	1	0	0	0	0	0	0	0	0	1	59
01:00	0	42	5	0	0	0	0	0	0	0	0	0	0	0	47
02:00	0	25	4	0	0	0	0	0	0	0	0	0	0	0	29
03:00	0	20	6	0	0	0	0	0	0	0	0	0	0	0	26
04:00	0	18	3	0	0	0	0	0	0	0	0	0	0	1	22
05:00	0	32	6	1	0	0	0	0	0	0	0	0	0	0	39
06:00	0	57	10	2	2	0	0	2	0	0	0	0	0	0	73
07:00	1	130	32	2	6	0	0	2	1	0	0	0	0	3	177
08:00	3	172	51	2	7	1	1	1	0	0	0	0	0	0	238
09:00	3	255	66	2	4	0	0	0	1	0	0	0	0	3	334
10:00	7	344	84	2	13	0	0	0	0	0	0	0	0	3	453
11:00	3	438	89	4	9	0	4	0	0	0	0	0	0	4	551
12 PM	2	449	80	2	10	3	6	3	0	0	0	0	0	5	560
13:00	5	439	74	3	6	1	4	2	0	0	0	0	0	5	539
14:00	3	430	72	1	5	1	2	1	0	0	0	0	0	3	518
15:00	7	450	77	2	7	2	3	4	0	0	0	0	0	7	559
16:00	3	434	79	3	2	1	2	1	1	0	0	0	0	4	530
17:00	6	333	63	2	10	0	5	2	0	0	0	0	0	3	424
18:00	1	338	52	2	1	0	0	2	0	0	0	0	0	1	397
19:00	2	307	55	3	4	0	1	0	0	0	0	0	0	1	373
20:00	2	232	39	2	2	0	0	0	0	0	0	0	0	3	280
21:00	0	122	19	2	2	0	1	0	0	0	0	0	0	0	146
22:00	0	131	10	2	0	0	1	0	0	0	0	0	0	1	145
23:00	2	74	9	2	1	0	0	1	0	0	0	0	1	1	91
Total	51	5319	993	42	92	9	30	21	3	0	0	0	1	49	6610
Percent	0.8%	80.5%	15.0%	0.6%	1.4%	0.1%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	
AM Peak	10:00	11:00	11:00	11:00	10:00	08:00	11:00	06:00	07:00					11:00	
Vol.	7	438	89	4	13	1	4	2	1					4	
PM Peak	15:00	15:00	12:00	13:00	12:00	12:00	12:00	15:00	16:00				23:00	15:00	
Vol.	7	450	80	3	10	3	6	4	1				1	7	

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Site Code: 04  
 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total
09/22/19	0	53	3	1	1	0	0	0	0	0	0	0	0	0	58
01:00	0	26	4	0	0	0	0	0	0	0	0	0	0	0	30
02:00	0	26	4	0	1	0	0	0	0	0	0	0	0	0	31
03:00	0	18	2	0	0	0	0	0	1	0	0	0	0	0	21
04:00	0	19	0	0	0	0	0	0	0	0	0	0	0	0	19
05:00	0	21	6	0	0	0	0	1	0	0	0	0	0	0	28
06:00	0	32	12	0	0	0	0	0	0	0	0	0	0	0	44
07:00	0	60	13	0	4	0	0	0	0	0	0	0	0	0	77
08:00	1	124	27	1	0	0	2	0	0	0	0	0	0	1	156
09:00	1	173	51	2	6	0	0	0	0	0	0	0	0	2	235
10:00	2	248	54	3	7	1	4	1	0	0	1	0	0	1	322
11:00	4	363	60	4	6	0	2	2	0	0	0	0	0	5	446
12 PM	4	434	65	2	4	2	2	2	0	0	0	0	0	8	523
13:00	3	415	72	2	10	1	0	1	0	0	0	0	0	6	510
14:00	8	383	73	2	7	0	1	0	0	0	0	0	0	4	478
15:00	2	410	73	1	8	1	2	3	0	0	1	0	0	9	510
16:00	2	386	76	1	3	0	2	1	0	0	0	0	0	2	473
17:00	4	334	63	1	7	0	4	0	0	0	0	0	0	3	416
18:00	2	235	38	2	6	1	1	1	0	0	0	0	0	3	289
19:00	3	238	40	2	3	0	1	0	0	0	0	0	0	1	288
20:00	0	163	28	0	2	0	0	0	0	0	0	0	0	0	193
21:00	0	89	5	0	2	1	0	0	0	0	0	0	0	1	98
22:00	1	83	7	0	0	0	0	1	0	0	0	0	0	0	92
23:00	0	33	10	0	2	0	0	0	0	0	0	0	0	0	45
Total	37	4366	786	24	79	7	21	13	1	0	2	0	0	46	5382
Percent	0.7%	81.1%	14.6%	0.4%	1.5%	0.1%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	
AM Peak	11:00	11:00	11:00	11:00	10:00	10:00	10:00	11:00	03:00		10:00			11:00	
Vol.	4	363	60	4	7	1	4	2	1		1			5	
PM Peak	14:00	12:00	16:00	12:00	13:00	12:00	17:00	15:00			15:00			15:00	
Vol.	8	434	76	2	10	2	4	3			1			9	

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Site Code: 04  
 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total
09/23/19	0	13	3	0	0	0	0	0	0	0	0	0	0	0	16
01:00	0	10	1	0	0	0	0	0	0	0	0	0	0	0	11
02:00	0	10	0	0	0	0	0	0	0	0	0	0	0	0	10
03:00	0	3	3	0	1	0	0	0	0	0	0	0	0	0	7
04:00	0	17	5	1	2	0	0	0	0	0	0	0	0	0	25
05:00	0	54	23	1	3	0	0	0	0	0	0	0	0	0	81
06:00	0	138	22	2	4	1	0	0	1	0	0	0	0	0	168
07:00	0	231	56	2	5	2	0	1	0	0	0	0	0	2	299
08:00	0	277	48	15	11	0	1	2	0	0	0	0	0	6	360
09:00	0	218	46	5	10	1	1	3	1	0	0	0	0	1	286
10:00	3	230	57	5	18	1	1	6	0	0	0	0	0	1	322
11:00	2	285	75	3	9	0	2	3	1	0	0	0	0	1	381
12 PM	0	329	81	2	12	1	3	2	0	0	0	0	0	2	432
13:00	0	311	82	2	8	1	1	4	0	0	0	0	0	0	409
14:00	1	374	87	5	6	3	1	3	2	0	1	0	0	4	487
15:00	1	479	129	10	6	0	4	2	0	1	0	0	0	13	645
16:00	0	558	108	2	10	2	7	2	0	0	0	0	0	14	703
17:00	0	584	108	3	8	1	6	5	0	0	0	0	1	6	722
18:00	1	326	69	4	7	0	2	2	0	0	1	0	0	8	420
19:00	0	305	52	1	4	0	0	2	0	0	0	0	0	5	369
20:00	0	226	33	1	2	0	0	1	0	0	0	0	0	2	265
21:00	1	151	15	2	2	0	0	2	0	0	0	0	0	1	174
22:00	0	95	16	2	0	0	1	0	0	0	0	0	0	0	114
23:00	0	108	15	2	2	0	0	0	0	0	0	0	0	0	127
Total	9	5332	1134	70	130	13	30	40	5	1	2	0	1	66	6833
Percent	0.1%	78.0%	16.6%	1.0%	1.9%	0.2%	0.4%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%	1.0%	
AM Peak	10:00	11:00	11:00	08:00	10:00	07:00	11:00	10:00	06:00					08:00	
Vol.	3	285	75	15	18	2	2	6	1					6	
PM Peak	14:00	17:00	15:00	15:00	12:00	14:00	16:00	17:00	14:00	15:00	14:00		17:00	16:00	
Vol.	1	584	129	10	12	3	7	5	2	1	1		1	14	

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Site Code: 04  
 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total
09/24/19	1	35	5	1	0	0	0	0	0	0	0	0	0	0	42
01:00	0	20	2	0	0	0	0	0	0	0	0	0	0	0	22
02:00	0	22	2	0	1	0	0	0	0	0	0	0	0	0	25
03:00	0	12	1	0	0	0	0	0	0	0	0	0	0	0	13
04:00	0	28	10	0	1	0	0	0	0	0	0	0	0	0	39
05:00	0	49	16	1	2	0	0	0	0	0	0	0	0	1	69
06:00	0	140	35	2	4	0	0	0	0	0	0	0	0	0	181
07:00	1	212	54	3	8	2	1	0	0	0	0	0	0	6	287
08:00	3	262	61	12	14	3	5	3	1	0	0	0	0	6	370
09:00	1	224	58	7	6	2	0	1	1	0	0	0	0	2	302
10:00	3	246	67	4	12	3	1	0	0	0	0	0	0	1	337
11:00	1	283	58	6	5	3	1	2	1	0	0	0	0	2	362
12 PM	0	314	65	2	8	1	2	3	0	0	0	0	0	5	400
13:00	0	300	54	2	9	1	3	0	0	0	1	0	0	6	376
14:00	2	336	68	7	13	0	4	4	0	0	0	0	0	3	437
15:00	3	527	95	9	11	2	4	2	2	0	0	0	0	8	663
16:00	4	623	118	3	11	0	8	1	2	0	0	0	1	10	781
17:00	2	586	99	4	11	1	6	3	0	0	0	0	0	5	717
18:00	2	387	73	3	9	1	3	4	0	0	0	0	0	8	490
19:00	1	328	50	3	1	0	0	0	0	0	0	0	0	9	392
20:00	0	239	43	2	4	0	0	1	0	0	0	0	0	2	291
21:00	1	169	30	1	2	0	1	0	0	0	0	0	0	0	204
22:00	0	111	15	2	0	0	0	0	0	0	0	0	0	0	128
23:00	0	109	15	2	1	0	1	0	0	0	0	0	0	0	128
Total	25	5562	1094	76	133	19	40	24	7	0	1	0	1	74	7056
Percent	0.4%	78.8%	15.5%	1.1%	1.9%	0.3%	0.6%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	1.0%	
AM Peak	08:00	11:00	10:00	08:00	08:00	08:00	08:00	08:00	08:00					07:00	
Vol.	3	283	67	12	14	3	5	3	1					6	
PM Peak	16:00	16:00	16:00	15:00	14:00	15:00	16:00	14:00	15:00		13:00		16:00	16:00	
Vol.	4	623	118	9	13	2	8	4	2		1		1	10	



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 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total
09/25/19	0	37	5	1	0	0	0	1	0	0	0	0	0	0	44
01:00	0	18	3	0	0	0	0	0	0	0	0	0	0	0	21
02:00	0	19	8	0	0	0	0	0	0	0	0	0	0	0	27
03:00	0	8	4	0	0	0	0	0	0	0	0	0	0	0	12
04:00	0	28	3	0	3	0	0	0	0	0	0	0	0	1	35
05:00	1	48	19	1	3	0	0	0	0	0	0	0	0	1	73
06:00	1	123	26	3	3	0	2	0	0	0	0	0	0	0	158
07:00	0	219	55	3	8	1	3	0	2	0	0	0	0	2	293
08:00	1	281	66	15	17	0	2	1	0	0	0	0	0	2	385
09:00	2	238	60	5	13	1	0	4	0	0	0	0	0	3	326
10:00	2	248	71	5	5	2	1	3	1	0	0	0	0	2	340
11:00	4	285	63	4	7	0	3	3	0	0	0	0	0	8	377
12 PM	2	348	77	2	8	2	4	6	0	0	0	0	0	9	458
13:00	4	306	70	3	11	1	4	1	2	0	0	0	0	1	403
14:00	1	368	70	1	13	3	4	3	1	0	0	0	0	4	468
15:00	4	508	87	9	15	0	4	3	0	0	0	0	0	12	642
16:00	2	586	104	5	13	2	3	2	0	1	0	0	0	11	729
17:00	2	552	98	3	11	0	7	5	0	0	0	0	1	6	685
18:00	4	386	65	3	5	1	5	2	0	0	0	0	0	5	476
19:00	2	366	66	3	6	1	1	0	0	0	0	0	0	6	451
20:00	0	225	40	2	5	0	0	0	0	0	0	0	0	4	276
21:00	0	186	23	2	3	0	0	1	0	0	0	0	0	1	216
22:00	0	109	17	2	0	0	0	0	0	0	0	0	0	0	128
23:00	0	104	23	2	0	0	0	0	0	0	0	0	0	2	131
Total	32	5596	1123	74	149	14	43	35	6	1	0	0	1	80	7154
Percent	0.4%	78.2%	15.7%	1.0%	2.1%	0.2%	0.6%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	1.1%	
AM Peak	11:00	11:00	10:00	08:00	08:00	10:00	07:00	09:00	07:00					11:00	
Vol.	4	285	71	15	17	2	3	4	2					8	
PM Peak	13:00	16:00	16:00	15:00	15:00	14:00	17:00	12:00	13:00	16:00			17:00	15:00	
Vol.	4	586	104	9	15	3	7	6	2	1			1	12	
Grand Total	236	37786	7563	440	915	86	237	213	36	3	5	0	7	447	47974
Percent	0.5%	78.8%	15.8%	0.9%	1.9%	0.2%	0.5%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%	0.9%	

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 Station ID: MC34/MC38  
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Latitude: 0' 0.0000 Undefined

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total
09/19/19	0	22	3	0	0	0	0	0	0	0	0	0	0	0	25
01:00	0	9	3	0	1	0	0	0	0	0	0	0	0	0	13
02:00	0	6	4	0	1	0	0	0	0	0	0	0	0	0	11
03:00	0	9	3	0	0	0	0	0	0	0	0	0	0	0	12
04:00	0	29	10	0	0	0	0	0	0	0	0	0	0	1	40
05:00	1	128	24	1	3	0	0	0	0	0	0	0	0	0	157
06:00	3	302	77	0	7	0	0	0	0	0	0	0	0	2	391
07:00	3	394	80	3	6	5	4	3	0	0	0	0	1	5	504
08:00	4	469	76	1	12	1	4	3	1	0	0	0	0	5	576
09:00	5	367	60	0	11	3	1	6	0	1	0	0	0	1	455
10:00	3	327	56	1	10	1	1	2	1	0	0	0	0	3	405
11:00	2	324	48	1	9	0	1	2	3	2	0	0	0	2	394
12 PM	2	347	77	1	10	4	1	1	0	2	0	0	1	3	449
13:00	4	345	61	3	13	1	1	3	0	0	0	0	0	5	436
14:00	2	359	63	2	11	0	0	0	0	0	0	0	0	4	441
15:00	3	380	61	4	7	0	3	2	0	0	0	0	0	3	463
16:00	2	405	66	4	10	1	3	4	0	0	1	0	1	6	503
17:00	1	430	68	0	9	0	1	0	0	0	0	0	0	4	513
18:00	7	440	75	1	7	1	2	2	0	0	0	0	0	2	537
19:00	4	304	55	0	2	0	0	0	0	0	0	0	0	0	365
20:00	2	229	25	0	2	1	0	1	0	0	0	0	0	2	262
21:00	0	146	12	0	0	0	0	0	0	0	0	0	0	1	159
22:00	0	125	16	1	0	0	0	0	0	0	0	0	0	1	143
23:00	0	57	6	0	1	0	0	0	0	0	0	0	0	0	64
Total	48	5953	1029	23	132	18	22	29	5	5	1	0	3	50	7318
Percent	0.7%	81.3%	14.1%	0.3%	1.8%	0.2%	0.3%	0.4%	0.1%	0.1%	0.0%	0.0%	0.0%	0.7%	
AM Peak	09:00	08:00	07:00	07:00	08:00	07:00	07:00	09:00	11:00	11:00			07:00	07:00	
Vol.	5	469	80	3	12	5	4	6	3	2			1	5	
PM Peak	18:00	18:00	12:00	15:00	13:00	12:00	15:00	16:00		12:00	16:00		12:00	16:00	
Vol.	7	440	77	4	13	4	3	4		2	1		1	6	

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Site Code: 04  
 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total
09/20/19	0	17	7	0	1	0	0	0	0	0	0	0	0	0	25
01:00	0	9	3	0	0	0	0	0	0	0	0	0	0	0	12
02:00	0	6	3	0	1	0	0	0	0	0	0	0	0	0	10
03:00	1	8	3	0	0	0	0	0	0	0	0	0	0	0	12
04:00	0	36	6	0	0	0	0	0	0	0	0	0	0	0	42
05:00	1	130	33	1	4	1	1	0	0	0	0	0	0	1	172
06:00	4	282	65	2	4	0	1	0	0	0	0	0	0	1	359
07:00	2	389	63	3	10	0	4	4	1	0	0	0	0	9	485
08:00	2	508	75	3	13	3	4	4	0	0	0	0	0	11	623
09:00	0	374	65	2	6	0	4	1	0	0	0	0	0	2	454
10:00	1	373	52	5	9	1	1	0	0	0	0	0	1	6	449
11:00	2	331	72	2	12	0	1	2	0	0	0	0	0	3	425
12 PM	2	382	63	1	9	0	2	1	0	0	0	0	0	2	462
13:00	2	376	67	2	11	2	1	2	2	0	0	0	0	1	466
14:00	3	379	66	1	9	2	2	0	2	0	0	0	0	4	468
15:00	2	413	70	2	7	2	2	3	0	0	0	0	1	4	506
16:00	2	441	82	3	10	1	2	7	0	0	0	0	0	5	553
17:00	4	447	61	1	5	0	0	2	0	0	0	0	0	5	525
18:00	2	432	45	1	6	0	1	2	0	0	0	0	0	2	491
19:00	4	345	46	1	2	0	0	1	0	0	0	0	0	3	402
20:00	1	199	30	0	2	1	1	2	0	0	0	0	0	0	236
21:00	1	130	14	1	1	0	2	0	0	0	0	0	0	1	150
22:00	0	91	13	0	2	0	0	0	0	0	0	0	0	0	106
23:00	1	82	10	0	0	0	1	0	0	0	0	0	0	0	94
Total	37	6180	1014	31	124	13	30	31	5	0	0	0	2	60	7527
Percent	0.5%	82.1%	13.5%	0.4%	1.6%	0.2%	0.4%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%	0.8%	
AM Peak	06:00	08:00	08:00	10:00	08:00	08:00	07:00	07:00	07:00				10:00	08:00	
Vol.	4	508	75	5	13	3	4	4	1				1	11	
PM Peak	17:00	17:00	16:00	16:00	13:00	13:00	12:00	16:00	13:00				15:00	16:00	
Vol.	4	447	82	3	11	2	2	7	2				1	5	

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Site Code: 04  
 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total
09/21/19	0	36	2	0	0	0	0	0	0	0	0	0	0	0	38
01:00	0	37	3	0	0	0	0	0	0	0	0	0	0	0	40
02:00	0	16	4	0	0	0	0	0	0	0	0	0	0	0	20
03:00	0	11	2	0	0	0	0	0	0	0	0	0	0	0	13
04:00	0	23	6	0	0	0	0	0	0	0	0	0	0	0	29
05:00	1	55	10	2	1	0	0	0	0	0	0	0	0	0	69
06:00	0	107	24	0	1	0	0	1	0	0	0	0	0	1	134
07:00	0	132	39	0	7	0	1	0	0	0	0	0	0	1	180
08:00	3	260	43	0	5	0	2	1	0	1	0	0	0	2	317
09:00	2	349	64	3	11	1	1	3	0	0	0	0	0	4	438
10:00	7	416	68	0	5	1	6	2	0	0	0	0	0	2	507
11:00	4	497	84	0	10	1	2	3	0	0	0	0	0	5	606
12 PM	10	444	64	1	5	1	1	5	0	0	0	0	0	6	537
13:00	8	434	59	0	9	1	1	0	0	0	0	0	0	6	518
14:00	2	434	55	1	6	0	3	1	0	0	0	0	0	1	503
15:00	9	434	40	0	8	0	3	1	0	0	0	0	0	2	497
16:00	10	395	53	0	6	0	2	4	0	0	0	0	0	0	470
17:00	4	339	44	0	2	1	2	1	0	0	0	0	0	3	396
18:00	4	338	44	0	7	0	2	0	0	0	0	0	0	2	397
19:00	3	294	45	1	2	1	0	0	0	0	0	0	0	1	347
20:00	0	252	22	0	1	0	0	0	0	0	0	0	0	0	275
21:00	2	130	16	0	2	1	1	0	0	0	0	0	0	1	153
22:00	2	93	11	0	1	0	0	1	0	0	0	0	0	1	109
23:00	1	85	10	0	0	0	0	1	0	0	0	0	0	0	97
Total	72	5611	812	8	89	8	27	24	0	1	0	0	0	38	6690
Percent	1.1%	83.9%	12.1%	0.1%	1.3%	0.1%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	
AM Peak	10:00	11:00	11:00	09:00	09:00	09:00	10:00	09:00		08:00				11:00	
Vol.	7	497	84	3	11	1	6	3		1				5	
PM Peak	12:00	12:00	12:00	12:00	13:00	12:00	14:00	12:00						12:00	
Vol.	10	444	64	1	9	1	3	5						6	

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Site Code: 04  
 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total
09/22/19	0	50	3	0	1	0	0	0	0	0	0	0	0	0	54
01:00	1	35	4	0	0	0	0	0	0	0	0	0	0	0	40
02:00	1	18	0	0	1	0	0	0	0	0	0	0	0	0	20
03:00	0	16	1	0	0	0	0	0	0	0	0	0	0	0	17
04:00	0	17	2	0	1	0	0	0	0	0	0	0	0	0	20
05:00	0	33	6	0	1	0	0	0	0	0	0	0	0	0	40
06:00	0	63	12	0	1	0	1	0	0	0	0	0	0	0	77
07:00	0	94	21	0	1	0	0	0	0	0	0	0	0	0	116
08:00	0	164	20	0	1	0	0	1	0	1	0	0	0	2	189
09:00	1	297	51	1	7	1	2	3	0	0	0	0	0	1	364
10:00	1	399	46	0	3	0	0	3	0	0	0	0	0	3	455
11:00	6	391	67	0	10	0	3	2	0	0	0	0	0	3	482
12 PM	8	442	68	0	6	0	2	2	0	0	0	0	0	4	532
13:00	1	433	50	0	3	0	1	1	1	0	0	0	0	3	493
14:00	2	404	64	0	4	0	0	3	0	0	0	0	0	2	479
15:00	9	389	57	0	4	0	1	4	0	0	0	0	0	3	467
16:00	3	431	47	1	3	0	1	2	0	0	0	0	0	1	489
17:00	3	325	48	0	5	0	2	3	0	0	0	0	0	1	387
18:00	4	270	33	0	3	0	1	0	0	0	0	0	0	3	314
19:00	3	264	35	0	3	1	0	0	0	0	0	0	0	1	307
20:00	2	182	31	0	1	0	1	0	0	0	0	0	0	1	218
21:00	0	118	15	0	1	2	2	0	0	0	0	0	0	1	139
22:00	0	121	14	0	0	0	0	0	0	0	0	0	0	0	135
23:00	0	39	7	0	0	0	0	0	0	0	0	0	0	0	46
Total	45	4995	702	2	60	4	17	24	1	1	0	0	0	29	5880
Percent	0.8%	84.9%	11.9%	0.0%	1.0%	0.1%	0.3%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	
AM Peak	11:00	10:00	11:00	09:00	11:00	09:00	11:00	09:00		08:00				10:00	
Vol.	6	399	67	1	10	1	3	3		1				3	
PM Peak	15:00	12:00	12:00	16:00	12:00	21:00	12:00	15:00	13:00					12:00	
Vol.	9	442	68	1	6	2	2	4	1					4	

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Site Code: 04  
 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total
09/23/19	1	14	1	0	1	0	0	0	0	0	0	0	0	0	17
01:00	0	13	1	0	0	0	0	0	0	0	0	0	0	0	14
02:00	0	5	2	0	0	0	0	0	0	0	0	0	0	0	7
03:00	0	9	3	0	0	0	0	0	0	0	0	0	0	0	12
04:00	0	35	7	0	1	0	0	0	0	0	0	0	0	0	43
05:00	1	126	34	2	3	1	0	0	0	0	0	0	0	0	167
06:00	0	289	79	0	5	0	2	2	0	0	0	0	0	0	377
07:00	1	444	85	2	10	2	5	5	0	0	0	0	0	4	558
08:00	1	536	76	4	9	2	9	4	0	0	0	0	0	12	653
09:00	0	354	52	0	7	0	3	4	0	0	0	0	0	3	423
10:00	1	320	58	1	4	0	3	1	1	0	0	0	0	0	389
11:00	2	298	51	0	12	1	0	1	1	0	0	0	0	4	370
12 PM	2	349	69	1	5	1	2	2	1	0	0	0	0	2	434
13:00	1	351	57	1	7	0	5	1	0	0	0	0	0	6	429
14:00	2	362	55	1	10	0	1	1	3	0	0	0	0	2	437
15:00	1	391	69	3	8	0	4	0	1	0	0	0	0	5	482
16:00	0	406	87	2	9	0	4	4	0	0	0	0	0	6	518
17:00	0	408	63	0	8	0	1	1	0	0	0	0	0	7	488
18:00	3	374	62	0	6	0	2	3	0	0	0	0	0	3	453
19:00	0	263	30	0	3	0	0	0	0	0	0	0	0	0	296
20:00	0	157	20	0	1	0	1	0	0	0	0	0	0	2	181
21:00	1	110	9	0	0	1	0	0	0	0	0	0	0	1	122
22:00	0	112	11	1	0	0	1	0	0	0	0	0	0	0	125
23:00	0	39	11	0	0	0	0	1	0	0	0	0	0	0	51
Total	17	5765	992	18	109	8	43	30	7	0	0	0	0	57	7046
Percent	0.2%	81.8%	14.1%	0.3%	1.5%	0.1%	0.6%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%	0.8%	
AM Peak	11:00	08:00	07:00	08:00	11:00	07:00	08:00	07:00	10:00					08:00	
Vol.	2	536	85	4	12	2	9	5	1					12	
PM Peak	18:00	17:00	16:00	15:00	14:00	12:00	13:00	16:00	14:00					17:00	
Vol.	3	408	87	3	10	1	5	4	3					7	

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WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total
09/24/19	0	17	3	0	0	0	0	0	0	0	0	0	0	0	20
01:00	0	21	5	0	1	0	0	0	0	0	0	0	0	0	27
02:00	1	10	3	0	0	0	0	0	0	0	0	0	0	0	14
03:00	0	7	3	0	0	0	0	0	0	0	0	0	0	0	10
04:00	0	37	10	0	0	0	0	0	0	0	0	0	0	0	47
05:00	0	136	31	1	2	0	0	1	0	0	0	0	0	0	171
06:00	0	308	70	0	4	2	1	2	0	0	0	0	0	2	389
07:00	2	425	77	2	11	3	5	3	1	0	0	0	0	7	536
08:00	1	529	71	3	9	1	6	7	0	1	0	0	0	4	632
09:00	5	396	67	4	10	1	3	1	0	0	0	0	0	0	487
10:00	2	351	44	0	7	1	3	0	0	0	0	0	0	0	408
11:00	2	316	52	1	11	0	2	1	0	0	0	0	0	1	386
12 PM	3	335	50	4	10	0	0	1	1	1	0	0	0	5	410
13:00	1	336	62	5	10	0	1	1	0	0	0	0	0	2	418
14:00	1	389	56	4	7	0	2	1	0	0	0	0	0	2	462
15:00	1	402	71	4	7	0	3	4	3	0	0	0	0	5	500
16:00	2	441	74	2	8	1	4	1	0	0	0	0	0	6	539
17:00	3	404	67	0	8	1	3	1	1	0	0	0	0	4	492
18:00	1	416	57	0	6	0	1	0	0	0	0	0	0	2	483
19:00	2	294	42	0	2	0	1	1	0	0	0	0	0	1	343
20:00	0	206	25	0	1	0	0	0	0	0	0	0	0	0	232
21:00	0	114	12	0	2	0	0	0	0	0	0	0	0	0	128
22:00	0	126	7	0	0	1	0	1	0	0	0	0	0	1	136
23:00	0	54	9	0	0	0	0	0	0	0	0	0	0	0	63
Total	27	6070	968	30	116	11	35	26	6	2	0	0	0	42	7333
Percent	0.4%	82.8%	13.2%	0.4%	1.6%	0.2%	0.5%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%	0.6%	
AM Peak	09:00	08:00	07:00	09:00	07:00	07:00	08:00	08:00	07:00	08:00				07:00	
Vol.	5	529	77	4	11	3	6	7	1	1				7	
PM Peak	12:00	16:00	16:00	13:00	12:00	16:00	16:00	15:00	15:00	12:00				16:00	
Vol.	3	441	74	5	10	1	4	4	3	1				6	

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Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total
09/25/19	0	23	4	0	0	0	0	0	0	0	0	0	0	0	27
01:00	0	11	4	0	0	1	0	0	0	0	0	0	0	0	16
02:00	0	14	4	0	0	0	0	0	0	0	0	0	0	0	18
03:00	0	12	3	1	0	0	0	0	0	0	0	0	0	0	16
04:00	0	39	5	0	1	0	0	0	0	0	0	0	0	0	45
05:00	2	128	26	1	2	0	1	0	0	0	0	0	0	2	162
06:00	0	297	79	0	4	1	1	1	0	0	0	0	0	6	389
07:00	1	460	79	2	8	1	6	2	0	0	0	0	0	5	564
08:00	3	560	89	3	10	3	8	3	0	0	0	0	0	5	684
09:00	4	352	47	2	5	0	1	1	0	0	0	0	0	4	416
10:00	2	322	52	2	7	1	2	3	1	1	0	0	0	2	395
11:00	2	320	45	1	9	1	1	4	2	0	0	0	0	3	388
12 PM	3	338	51	3	7	0	3	1	1	0	0	0	0	7	414
13:00	4	344	61	2	4	2	1	1	0	0	0	0	0	4	423
14:00	4	373	80	2	9	4	2	3	0	1	0	0	0	2	480
15:00	2	387	70	2	11	0	1	3	0	0	0	0	0	6	482
16:00	0	451	58	1	12	1	3	4	0	0	0	0	0	8	538
17:00	0	412	61	0	12	0	2	5	0	0	0	0	0	6	498
18:00	2	417	60	1	4	1	5	0	0	0	0	0	0	2	492
19:00	2	289	34	0	7	0	0	2	0	0	0	0	0	8	342
20:00	1	215	17	0	3	0	4	2	0	0	0	0	0	0	242
21:00	1	135	17	1	1	0	0	0	0	0	0	0	0	1	156
22:00	0	117	14	0	1	0	0	0	0	0	0	0	0	0	132
23:00	0	52	11	0	0	1	0	0	0	0	0	0	0	1	65
Total	33	6068	971	24	117	17	41	35	4	2	0	0	0	72	7384
Percent	0.4%	82.2%	13.2%	0.3%	1.6%	0.2%	0.6%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	1.0%	
AM Peak	09:00	08:00	08:00	08:00	08:00	08:00	08:00	11:00	11:00	10:00				06:00	
Vol.	4	560	89	3	10	3	8	4	2	1				6	
PM Peak	13:00	16:00	14:00	12:00	16:00	14:00	18:00	17:00	12:00	14:00				16:00	
Vol.	4	451	80	3	12	4	5	5	1	1				8	
Grand Total	279	40642	6488	136	747	79	215	199	28	11	1	0	5	348	49178
Percent	0.6%	82.6%	13.2%	0.3%	1.5%	0.2%	0.4%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%	0.7%	



**Accu-Traffic Inc.**  
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**URL: http://www.accu-traffic.ca**

Site Code: 04  
 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

EB, WB																
Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total	
09/19/19	0	63	14	1	1	0	0	0	0	0	0	0	0	0	79	
01:00	1	19	6	0	1	0	0	0	0	0	0	0	0	0	27	
02:00	0	20	7	0	1	0	0	0	0	0	0	0	0	0	28	
03:00	0	23	6	0	0	0	0	0	0	0	0	0	0	0	29	
04:00	0	55	15	1	1	0	0	0	0	0	0	0	0	1	73	
05:00	1	177	43	2	6	0	0	0	0	0	0	0	0	0	229	
06:00	5	430	99	3	12	0	0	0	0	0	0	0	0	2	551	
07:00	5	595	129	4	15	5	6	6	0	0	0	0	1	8	774	
08:00	4	744	140	18	25	2	5	6	1	0	0	0	0	9	954	
09:00	8	623	129	4	20	4	3	7	1	1	0	0	0	5	805	
10:00	6	595	118	5	23	2	2	5	3	0	0	0	0	6	765	
11:00	3	650	125	5	15	2	2	6	4	2	0	0	0	4	818	
12 PM	4	661	150	7	24	6	3	4	0	2	0	0	1	4	866	
13:00	8	637	127	8	23	2	2	6	1	0	0	0	0	7	821	
14:00	4	721	148	5	28	1	4	2	1	0	0	0	0	7	921	
15:00	5	853	136	10	23	1	9	5	0	0	0	0	0	7	1049	
16:00	5	960	188	8	24	1	4	10	0	0	1	0	1	13	1215	
17:00	5	969	171	4	22	2	9	5	1	0	0	0	0	12	1200	
18:00	11	841	175	4	13	1	5	6	0	0	0	0	1	8	1065	
19:00	5	682	112	2	11	0	3	1	0	0	0	0	0	5	821	
20:00	3	513	72	2	7	1	5	1	0	0	0	0	0	7	611	
21:00	2	320	40	2	1	0	2	1	0	0	0	0	0	1	369	
22:00	1	232	30	3	0	0	0	0	0	0	0	0	0	4	270	
23:00	0	154	22	2	2	0	0	0	0	0	0	0	0	2	182	
Total	86	11537	2202	100	298	30	64	71	12	5	1	0	4	112	14522	
Percent	0.6%	79.4%	15.2%	0.7%	2.1%	0.2%	0.4%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.8%		
AM Peak	09:00	08:00	08:00	08:00	08:00	07:00	07:00	09:00	11:00	11:00			07:00	08:00		
Vol.	8	744	140	18	25	5	6	7	4	2			1	9		
PM Peak	18:00	17:00	16:00	15:00	14:00	12:00	15:00	16:00	13:00	12:00	16:00		12:00	16:00		
Vol.	11	969	188	10	28	6	9	10	1	2	1		1	13		

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Site Code: 04  
 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

EB, WB															
Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total
09/20/19	1	50	16	1	1	0	0	0	0	0	0	0	0	0	69
01:00	0	23	4	0	0	0	0	0	0	0	0	0	0	0	27
02:00	0	26	5	0	1	0	0	0	0	0	0	0	0	0	32
03:00	1	22	7	0	0	0	0	0	1	0	0	0	0	0	31
04:00	0	64	13	0	2	0	0	0	0	0	0	0	0	0	79
05:00	1	188	52	4	4	1	1	0	0	0	0	0	0	2	253
06:00	5	394	88	4	8	1	1	0	0	0	0	0	0	1	502
07:00	2	584	118	6	22	1	7	4	1	0	0	0	0	11	756
08:00	2	792	147	15	25	3	5	9	1	0	0	0	0	21	1020
09:00	1	603	120	7	17	1	4	3	2	0	0	0	0	6	764
10:00	7	654	128	8	20	1	1	4	1	0	0	0	1	9	834
11:00	6	675	134	4	24	1	2	8	0	0	0	0	0	7	861
12 PM	7	764	150	7	27	1	6	3	0	0	0	0	0	8	973
13:00	8	748	148	6	25	2	1	4	2	0	0	0	0	6	950
14:00	9	797	152	4	26	3	5	0	4	0	0	0	2	8	1010
15:00	3	955	185	12	20	4	6	5	0	0	0	0	1	10	1201
16:00	6	1059	222	6	26	2	10	9	0	1	0	0	0	9	1350
17:00	6	1009	149	6	15	0	5	7	0	0	0	0	0	18	1215
18:00	5	880	136	6	12	1	1	6	0	0	0	0	0	6	1053
19:00	4	724	114	4	4	2	0	3	0	0	0	0	0	5	860
20:00	5	450	83	1	4	1	2	3	0	0	0	0	0	1	550
21:00	1	307	44	3	3	0	2	1	0	0	0	0	0	2	363
22:00	0	215	29	2	3	0	1	0	0	0	0	0	0	0	250
23:00	1	224	30	2	1	0	1	0	0	0	0	0	0	0	259
Total	81	12207	2274	108	290	25	61	69	12	1	0	0	4	130	15262
Percent	0.5%	80.0%	14.9%	0.7%	1.9%	0.2%	0.4%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.9%	
AM Peak	10:00	08:00	08:00	08:00	08:00	08:00	07:00	08:00	09:00				10:00	08:00	
Vol.	7	792	147	15	25	3	7	9	2				1	21	
PM Peak	14:00	16:00	16:00	15:00	12:00	15:00	16:00	16:00	14:00	16:00			14:00	17:00	
Vol.	9	1059	222	12	27	4	10	9	4	1			2	18	

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Site Code: 04  
 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

EB, WB															
Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total
09/21/19	1	83	10	1	1	0	0	0	0	0	0	0	0	1	97
01:00	0	79	8	0	0	0	0	0	0	0	0	0	0	0	87
02:00	0	41	8	0	0	0	0	0	0	0	0	0	0	0	49
03:00	0	31	8	0	0	0	0	0	0	0	0	0	0	0	39
04:00	0	41	9	0	0	0	0	0	0	0	0	0	0	1	51
05:00	1	87	16	3	1	0	0	0	0	0	0	0	0	0	108
06:00	0	164	34	2	3	0	0	3	0	0	0	0	0	1	207
07:00	1	262	71	2	13	0	1	2	1	0	0	0	0	4	357
08:00	6	432	94	2	12	1	3	2	0	1	0	0	0	2	555
09:00	5	604	130	5	15	1	1	3	1	0	0	0	0	7	772
10:00	14	760	152	2	18	1	6	2	0	0	0	0	0	5	960
11:00	7	935	173	4	19	1	6	3	0	0	0	0	0	9	1157
12 PM	12	893	144	3	15	4	7	8	0	0	0	0	0	11	1097
13:00	13	873	133	3	15	2	5	2	0	0	0	0	0	11	1057
14:00	5	864	127	2	11	1	5	2	0	0	0	0	0	4	1021
15:00	16	884	117	2	15	2	6	5	0	0	0	0	0	9	1056
16:00	13	829	132	3	8	1	4	5	1	0	0	0	0	4	1000
17:00	10	672	107	2	12	1	7	3	0	0	0	0	0	6	820
18:00	5	676	96	2	8	0	2	2	0	0	0	0	0	3	794
19:00	5	601	100	4	6	1	1	0	0	0	0	0	0	2	720
20:00	2	484	61	2	3	0	0	0	0	0	0	0	0	3	555
21:00	2	252	35	2	4	1	2	0	0	0	0	0	0	1	299
22:00	2	224	21	2	1	0	1	1	0	0	0	0	0	2	254
23:00	3	159	19	2	1	0	0	2	0	0	0	0	1	1	188
Total	123	10930	1805	50	181	17	57	45	3	1	0	0	1	87	13300
Percent	0.9%	82.2%	13.6%	0.4%	1.4%	0.1%	0.4%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	
AM Peak	10:00	11:00	11:00	09:00	11:00	08:00	10:00	06:00	07:00	08:00				11:00	
Vol.	14	935	173	5	19	1	6	3	1	1				9	
PM Peak	15:00	12:00	12:00	19:00	12:00	12:00	12:00	12:00	16:00				23:00	12:00	
Vol.	16	893	144	4	15	4	7	8	1				1	11	

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Site Code: 04  
 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

EB, WB															
Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total
09/22/19	0	103	6	1	2	0	0	0	0	0	0	0	0	0	112
01:00	1	61	8	0	0	0	0	0	0	0	0	0	0	0	70
02:00	1	44	4	0	2	0	0	0	0	0	0	0	0	0	51
03:00	0	34	3	0	0	0	0	0	1	0	0	0	0	0	38
04:00	0	36	2	0	1	0	0	0	0	0	0	0	0	0	39
05:00	0	54	12	0	1	0	0	1	0	0	0	0	0	0	68
06:00	0	95	24	0	1	0	1	0	0	0	0	0	0	0	121
07:00	0	154	34	0	5	0	0	0	0	0	0	0	0	0	193
08:00	1	288	47	1	1	0	2	1	0	1	0	0	0	3	345
09:00	2	470	102	3	13	1	2	3	0	0	0	0	0	3	599
10:00	3	647	100	3	10	1	4	4	0	0	1	0	0	4	777
11:00	10	754	127	4	16	0	5	4	0	0	0	0	0	8	928
12 PM	12	876	133	2	10	2	4	4	0	0	0	0	0	12	1055
13:00	4	848	122	2	13	1	1	2	1	0	0	0	0	9	1003
14:00	10	787	137	2	11	0	1	3	0	0	0	0	0	6	957
15:00	11	799	130	1	12	1	3	7	0	0	1	0	0	12	977
16:00	5	817	123	2	6	0	3	3	0	0	0	0	0	3	962
17:00	7	659	111	1	12	0	6	3	0	0	0	0	0	4	803
18:00	6	505	71	2	9	1	2	1	0	0	0	0	0	6	603
19:00	6	502	75	2	6	1	1	0	0	0	0	0	0	2	595
20:00	2	345	59	0	3	0	1	0	0	0	0	0	0	1	411
21:00	0	207	20	0	3	3	2	0	0	0	0	0	0	2	237
22:00	1	204	21	0	0	0	0	1	0	0	0	0	0	0	227
23:00	0	72	17	0	2	0	0	0	0	0	0	0	0	0	91
<b>Total</b>	<b>82</b>	<b>9361</b>	<b>1488</b>	<b>26</b>	<b>139</b>	<b>11</b>	<b>38</b>	<b>37</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>75</b>	<b>11262</b>
<b>Percent</b>	<b>0.7%</b>	<b>83.1%</b>	<b>13.2%</b>	<b>0.2%</b>	<b>1.2%</b>	<b>0.1%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.7%</b>	
<b>AM Peak</b>	<b>11:00</b>	<b>11:00</b>	<b>11:00</b>	<b>11:00</b>	<b>11:00</b>	<b>09:00</b>	<b>11:00</b>	<b>10:00</b>	<b>03:00</b>	<b>08:00</b>	<b>10:00</b>			<b>11:00</b>	
<b>Vol.</b>	<b>10</b>	<b>754</b>	<b>127</b>	<b>4</b>	<b>16</b>	<b>1</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>1</b>			<b>8</b>	
<b>PM Peak</b>	<b>12:00</b>	<b>12:00</b>	<b>14:00</b>	<b>12:00</b>	<b>13:00</b>	<b>21:00</b>	<b>17:00</b>	<b>15:00</b>	<b>13:00</b>		<b>15:00</b>			<b>12:00</b>	
<b>Vol.</b>	<b>12</b>	<b>876</b>	<b>137</b>	<b>2</b>	<b>13</b>	<b>3</b>	<b>6</b>	<b>7</b>	<b>1</b>		<b>1</b>			<b>12</b>	

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Site Code: 04  
 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

EB, WB															
Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total
09/23/19	1	27	4	0	1	0	0	0	0	0	0	0	0	0	33
01:00	0	23	2	0	0	0	0	0	0	0	0	0	0	0	25
02:00	0	15	2	0	0	0	0	0	0	0	0	0	0	0	17
03:00	0	12	6	0	1	0	0	0	0	0	0	0	0	0	19
04:00	0	52	12	1	3	0	0	0	0	0	0	0	0	0	68
05:00	1	180	57	3	6	1	0	0	0	0	0	0	0	0	248
06:00	0	427	101	2	9	1	2	2	1	0	0	0	0	0	545
07:00	1	675	141	4	15	4	5	6	0	0	0	0	0	6	857
08:00	1	813	124	19	20	2	10	6	0	0	0	0	0	18	1013
09:00	0	572	98	5	17	1	4	7	1	0	0	0	0	4	709
10:00	4	550	115	6	22	1	4	7	1	0	0	0	0	1	711
11:00	4	583	126	3	21	1	2	4	2	0	0	0	0	5	751
12 PM	2	678	150	3	17	2	5	4	1	0	0	0	0	4	866
13:00	1	662	139	3	15	1	6	5	0	0	0	0	0	6	838
14:00	3	736	142	6	16	3	2	4	5	0	1	0	0	6	924
15:00	2	870	198	13	14	0	8	2	1	1	0	0	0	18	1127
16:00	0	964	195	4	19	2	11	6	0	0	0	0	0	20	1221
17:00	0	992	171	3	16	1	7	6	0	0	0	0	1	13	1210
18:00	4	700	131	4	13	0	4	5	0	0	1	0	0	11	873
19:00	0	568	82	1	7	0	0	2	0	0	0	0	0	5	665
20:00	0	383	53	1	3	0	1	1	0	0	0	0	0	4	446
21:00	2	261	24	2	2	1	0	2	0	0	0	0	0	2	296
22:00	0	207	27	3	0	0	2	0	0	0	0	0	0	0	239
23:00	0	147	26	2	2	0	0	1	0	0	0	0	0	0	178
Total	26	11097	2126	88	239	21	73	70	12	1	2	0	1	123	13879
Percent	0.2%	80.0%	15.3%	0.6%	1.7%	0.2%	0.5%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.9%	
AM Peak	10:00	08:00	07:00	08:00	10:00	07:00	08:00	09:00	11:00					08:00	
Vol.	4	813	141	19	22	4	10	7	2					18	
PM Peak	18:00	17:00	15:00	15:00	16:00	14:00	16:00	16:00	14:00	15:00	14:00		17:00	16:00	
Vol.	4	992	198	13	19	3	11	6	5	1	1		1	20	

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**URL: http://www.accu-traffic.ca**

Site Code: 04  
 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

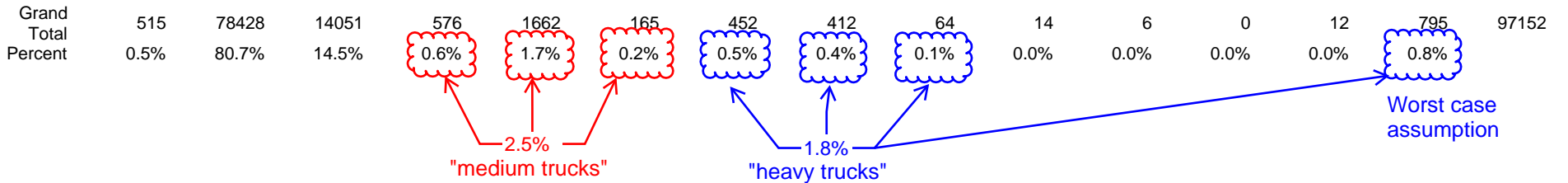
EB, WB																
Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total	
09/24/19	1	52	8	1	0	0	0	0	0	0	0	0	0	0	62	
01:00	0	41	7	0	1	0	0	0	0	0	0	0	0	0	49	
02:00	1	32	5	0	1	0	0	0	0	0	0	0	0	0	39	
03:00	0	19	4	0	0	0	0	0	0	0	0	0	0	0	23	
04:00	0	65	20	0	1	0	0	0	0	0	0	0	0	0	86	
05:00	0	185	47	2	4	0	0	1	0	0	0	0	0	1	240	
06:00	0	448	105	2	8	2	1	2	0	0	0	0	0	2	570	
07:00	3	637	131	5	19	5	6	3	1	0	0	0	0	13	823	
08:00	4	791	132	15	23	4	11	10	1	1	0	0	0	10	1002	
09:00	6	620	125	11	16	3	3	2	1	0	0	0	0	2	789	
10:00	5	597	111	4	19	4	4	0	0	0	0	0	0	1	745	
11:00	3	599	110	7	16	3	3	3	1	0	0	0	0	3	748	
12 PM	3	649	115	6	18	1	2	4	1	1	0	0	0	10	810	
13:00	1	636	116	7	19	1	4	1	0	0	1	0	0	8	794	
14:00	3	725	124	11	20	0	6	5	0	0	0	0	0	5	899	
15:00	4	929	166	13	18	2	7	6	5	0	0	0	0	13	1163	
16:00	6	1064	192	5	19	1	12	2	2	0	0	0	1	16	1320	
17:00	5	990	166	4	19	2	9	4	1	0	0	0	0	9	1209	
18:00	3	803	130	3	15	1	4	4	0	0	0	0	0	10	973	
19:00	3	622	92	3	3	0	1	1	0	0	0	0	0	10	735	
20:00	0	445	68	2	5	0	0	1	0	0	0	0	0	2	523	
21:00	1	283	42	1	4	0	1	0	0	0	0	0	0	0	332	
22:00	0	237	22	2	0	1	0	1	0	0	0	0	0	1	264	
23:00	0	163	24	2	1	0	1	0	0	0	0	0	0	0	191	
Total	52	11632	2062	106	249	30	75	50	13	2	1	0	1	116	14389	
Percent	0.4%	80.8%	14.3%	0.7%	1.7%	0.2%	0.5%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.8%		
AM Peak	09:00	08:00	08:00	08:00	08:00	07:00	08:00	08:00	07:00	08:00				07:00		
Vol.	6	791	132	15	23	5	11	10	1	1				13		
PM Peak	16:00	16:00	16:00	15:00	14:00	15:00	16:00	15:00	15:00	12:00	13:00		16:00	16:00		
Vol.	6	1064	192	13	20	2	12	6	5	1	1		1	16		

**Accu-Traffic Inc.**  
**85 West Wilmot St., Unit 13,**  
**Richmond Hill, ON, L4B 1K7**  
**Tel: 1- 416-910-0171 Fax: 1-888-711-3125**  
**E-mail: solutions@accu-traffic.ca**  
**URL: http://www.accu-traffic.ca**

Site Code: 04  
 Station ID: MC34/MC38  
 Speedvale Avenue East In front of #400

Latitude: 0' 0.0000 Undefined

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Not Classed	Total
09/25/19	0	60	9	1	0	0	0	1	0	0	0	0	0	0	71
01:00	0	29	7	0	0	1	0	0	0	0	0	0	0	0	37
02:00	0	33	12	0	0	0	0	0	0	0	0	0	0	0	45
03:00	0	20	7	1	0	0	0	0	0	0	0	0	0	0	28
04:00	0	67	8	0	4	0	0	0	0	0	0	0	0	1	80
05:00	3	176	45	2	5	0	1	0	0	0	0	0	0	3	235
06:00	1	420	105	3	7	1	3	1	0	0	0	0	0	6	547
07:00	1	679	134	5	16	2	9	2	2	0	0	0	0	7	857
08:00	4	841	155	18	27	3	10	4	0	0	0	0	0	7	1069
09:00	6	590	107	7	18	1	1	5	0	0	0	0	0	7	742
10:00	4	570	123	7	12	3	3	6	2	1	0	0	0	4	735
11:00	6	605	108	5	16	1	4	7	2	0	0	0	0	11	765
12 PM	5	686	128	5	15	2	7	7	1	0	0	0	0	16	872
13:00	8	650	131	5	15	3	5	2	2	0	0	0	0	5	826
14:00	5	741	150	3	22	7	6	6	1	1	0	0	0	6	948
15:00	6	895	157	11	26	0	5	6	0	0	0	0	0	18	1124
16:00	2	1037	162	6	25	3	6	6	0	1	0	0	0	19	1267
17:00	2	964	159	3	23	0	9	10	0	0	0	0	1	12	1183
18:00	6	803	125	4	9	2	10	2	0	0	0	0	0	7	968
19:00	4	655	100	3	13	1	1	2	0	0	0	0	0	14	793
20:00	1	440	57	2	8	0	4	2	0	0	0	0	0	4	518
21:00	1	321	40	3	4	0	0	1	0	0	0	0	0	2	372
22:00	0	226	31	2	1	0	0	0	0	0	0	0	0	0	260
23:00	0	156	34	2	0	1	0	0	0	0	0	0	0	3	196
Total	65	11664	2094	98	266	31	84	70	10	3	0	0	1	152	14538
Percent	0.4%	80.2%	14.4%	0.7%	1.8%	0.2%	0.6%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	1.0%	
AM Peak	09:00	08:00	08:00	08:00	08:00	08:00	08:00	11:00	07:00	10:00				11:00	
Vol.	6	841	155	18	27	3	10	7	2	1				11	
PM Peak	13:00	16:00	16:00	15:00	15:00	14:00	18:00	17:00	13:00	14:00			17:00	16:00	
Vol.	8	1037	162	11	26	7	10	10	2	1			1	19	





# **Appendix C:**

## **Stationary Noise Information**

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Noise map height 1.5m (A-weighted)

dBmap.net

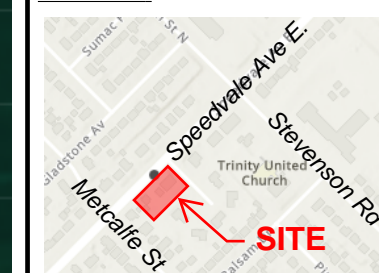
SCALE:

1:400

scale is approx. when plotted on 11x17 paper



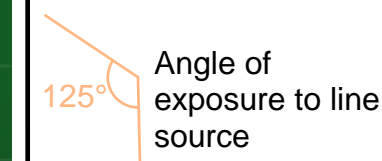
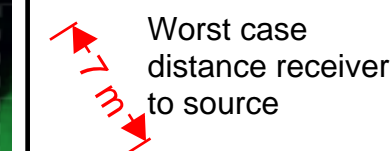
KEY PLAN:



#	REVISION	BY	DATE
1	First Submission	JRP	2024-01-10

LEGEND:

- x R-A Noise Receiver A
- x S-1 Noise Source 1



BASE MAPPING SOURCES:

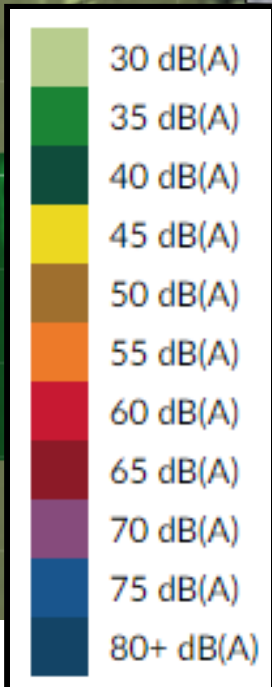
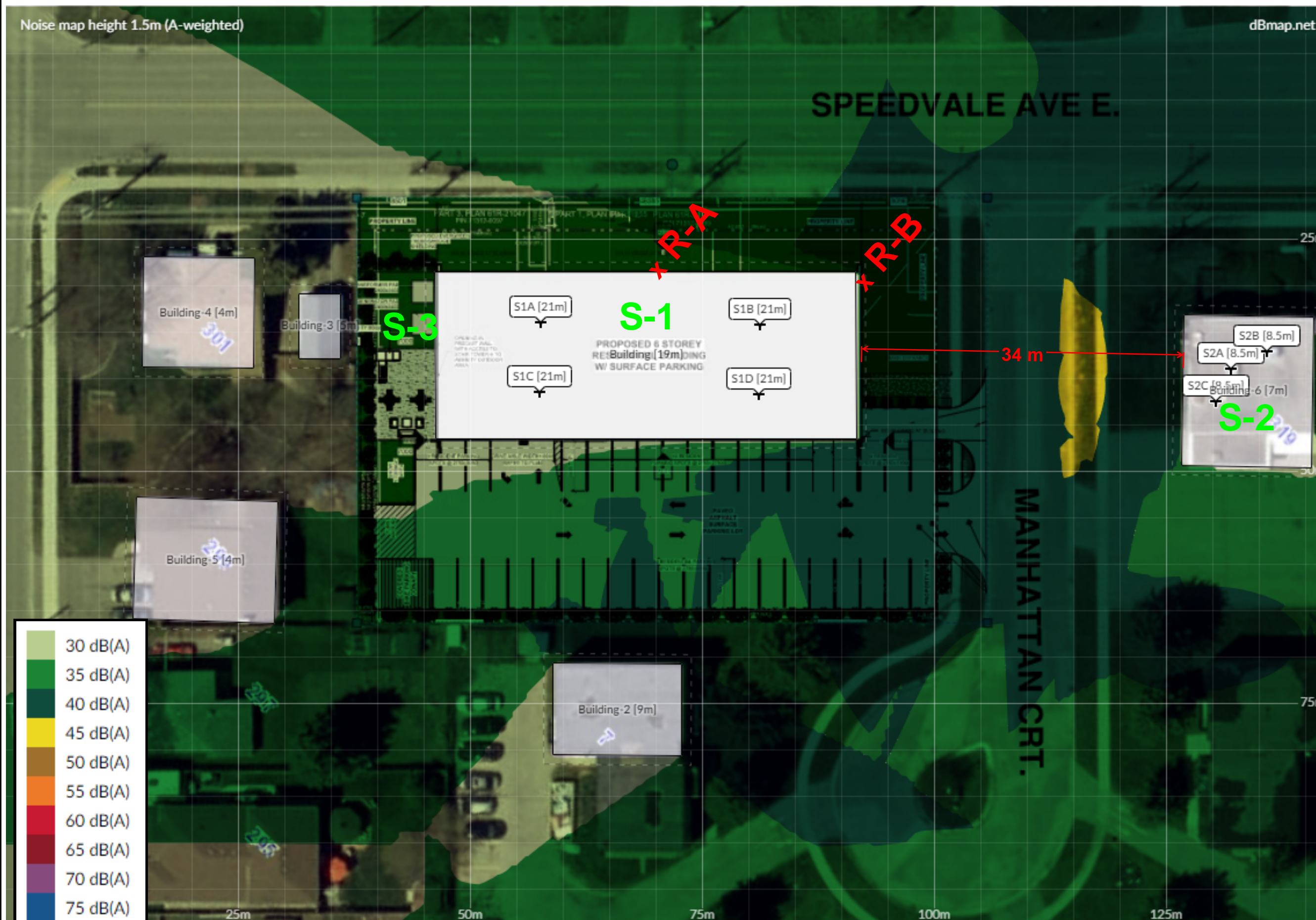
- RofW GIS
- Nickolson Sheffield Architects Inc.



303-317  
SPEEDVALE AVE E.  
GUELPH, ON

STATIONARY NOISE  
Height = 1.5m

SHEET	DWG	JPE-1045
2 of 3	N-2	

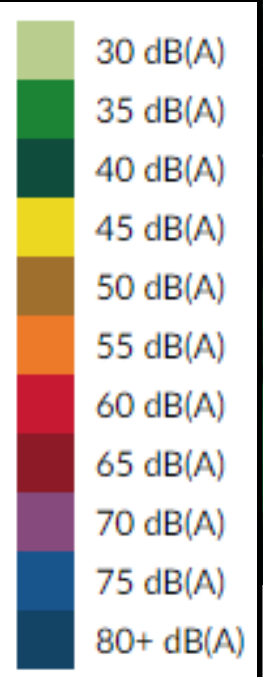
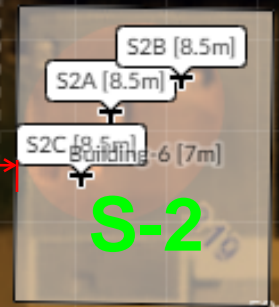
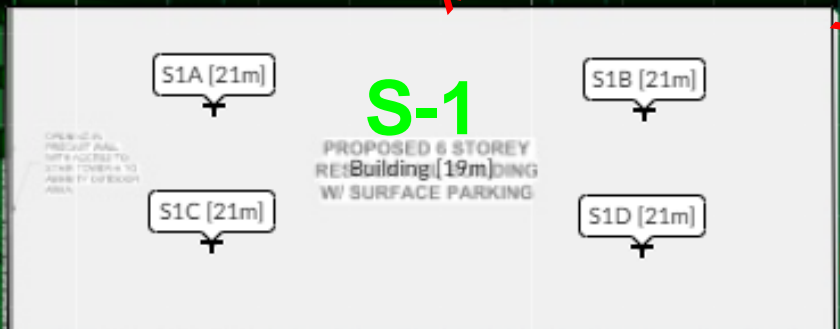


Noise map height 17.2m (A-weighted)

dBmap.net

SPEEDVALE AVE E.

MANHATTAN CRT.



**SCALE:**  
1:400  
scale is approx. when plotted on 11x17 paper

**KEY PLAN:**

#	REVISION	BY	DATE
1	First Submission	JRP	2024-01-10

**LEGEND:**

- x R-A Noise Receiver A
- x S-1 Noise Source 1
- ↔ 7m Worst case distance receiver to source
- 125° Angle of exposure to line source

**BASE MAPPING SOURCES:**  
- RofW GIS  
- Nickolson Sheffield Architects Inc.

info@jpe-engineering.ca  
519-577-2238  
www.jpe-engineering.ca

303-317  
SPEEDVALE AVE E.  
GUELPH, ON

STATIONARY NOISE  
Height = 17.2m

SHEET	DWG	JPE-1045
3 of 3	N-3	