



**BURNSIDE**

**Oakville TOC Development  
Solid Waste Management Plan  
590 Argus Road, Oakville ON**

**590 Argus LP  
90 Wingold Avenue, Unit 1  
Toronto ON M6B 1P5**



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90 Wingold Avenue, Unit 1  
Toronto ON M6B 1P5**

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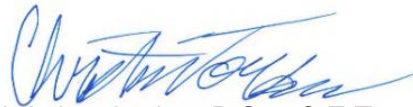
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1	February 28, 2023	Revised for ZBA Submission
2	March 22, 2023	Revised for updated Architectural Plans
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4	September 25, 2024	Issued for Oakville TOC Submission
5	October 4, 2024	Revised for Oakville TOC Submission Comments

## R.J. Burnside & Associates Limited

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- Appendix A Site Plan and Statistics and Waste Room and Loading Area Plans
- Appendix B Waste Collection Vehicle Turning Path Analysis

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**Waste Management Requirement-Location Matrix**

Requirement	Report Location	Notes
Set out and collection locations for residential and commercial units.	Described in Sections 2.3 and 3.0.	
Staging Area Bin Configuration Figure.	Appendix A, 'Level 1 Plan' (No. A206).	
Residential and / or Commercial Floors and Units.	Described in Section 1.0.	
Number and Size of Waste Receptacles.	Described in Section 2.2.	
Configuration of Waste Containers, Compacting and Sorting Equipment.	Appendix A, 'Level P1 Plan' (No. A205).	
Flow of Receptacles from the Waste Storage Room to Loading Area.	Described in Sections 2.6 and 3.0, Illustrated in Appendix A, Level P1 Plan (No. A205).	
Truck Turning Plan Showing Waste Collection Route (to and from Municipal Road).	Illustrated in Appendix B.	
Turning Radius of 13 m from the Centreline.	Illustrated in Appendix B.	
Maximum 18 m Reversal Distance.	Illustrated in Appendix B.	Slight Exceedance
Loading Area Overhead Clearance of 7.5 m.	Described in Section 2.6.2. Illustrated in Appendix A, Level 1 Plan (No. A204).	
Number of Organics Carts (360 L) Required for the Site	Described in Section 2.2	
Collection Point Level (+/- 2%).	Described in Section 2.6.2, Appendix A, Waste Management & Loading Plan (No. A112), Note 7.	
Weight Capacity of Loading Area (35,000 kg).	Described in Section 2.6.2 Appendix A, Waste Management & Loading Plan (No. A112), Note 5.	
Loading Area Width Required (6 m).	Described in Section 2.6, Appendix A, Waste Management & Loading Plan (No. A112), Note 6.	Type C loading area will not be in use during collection periods, meeting required width.
Head-On Approach (Minimum 18 m).	Appendix B (Figure VMD-01).	
Door Width for Bin Passage (min. 2.2 m).	Appendix A, Waste Management and Loading Plan (No. A112), Note 10.	
Sufficient Storage for all Waste Receptacles.	Appendix A, 'Level P1 Plan' (No. A205).	

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## 1.0 Introduction

This document describes the preliminary Solid Waste Management Plan (Plan) developed for the proposed Oakville Transit Oriented Communities (TOC) site located at 590 Argus Road in the Town of Oakville, Ontario.

Ontario's TOC program is a government initiative focused on creating lively, pedestrian-friendly, and sustainable urban areas near major transit stations. By combining residential, commercial, and public areas with transit infrastructure, the program aims to decrease car dependency, increase public transportation usage, and enhance overall accessibility. Additionally, it seeks to stimulate economic growth and promote the development of affordable housing.

This Plan is intended for municipal review during the developmental approvals process. R.J. Burnside & Associates Limited (Burnside) acknowledges that the existing design features minor deficiencies related to waste management operation, most of which have been identified with this submission. These deficiencies will be addressed in future iterations of the design. As such, the development's Site Plan is expected to change during the Zoning By-law Amendment (ZBA) and / or Site Plan Approval (SPA) process. However, it is expected that the general methods of handling solid waste as expressed in this report will not require revision.

This report is based on 'Issued for TOC Development' drawing package, dated September 20, 2024. Table 1 provides a list of drawings from this package, which are contained in Appendix A. These drawings describe the developments solid waste management features for residential and non-residential wastes.

**Table 1: Appendix A Drawing List**

Drawing No.	Drawing Title
A001	Building Statistics
A113	Waste Management and Loading Plan
A206	Level 1 Plan
A205	Level P1 Plan
A401	North and South Elevations
A402	East and West Elevations

The proposed Oakville TOC development will provide:

- 1,856 residential units.
  - Tower A will be 47-storeys<sup>1</sup> and will contain 576 residential units.
  - Tower B will be 50-storeys and will contain 609 residential units.

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<sup>1</sup> All floor counts include the podium, being 12-storeys with a series of stepbacks, shared by all three Towers.

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- Tower C will be 55-storeys and will contain 671 residential units.
- Commercial (retail, daycare and office) space:
  - 1,004 m<sup>2</sup> of retail space (located on the ground level of both Towers B and C).
  - 444 m<sup>2</sup> of daycare space (located on the ground level of Tower A).
  - 997 m<sup>2</sup> of office space (located on the second level of Tower C).
- Six levels of underground parking (i.e., Levels P1 to P6).
  - All three Towers are connected at these parking levels.
- Each Tower has their own residential waste storage room located at Level P1.
- A commercial waste storage room is located on the ground floor of Tower A
- All three Towers share a Collection Point (including loading and staging area) in Tower A.

Based on discussions with Halton staff regarding similar, nearby projects, twice per week collection of waste (or more frequent) may be implemented at this development. However, to be conservative, the design of this development can accommodate collection of each stream either once or twice per week. From a building maintenance / operating perspective, the twice per week collection schedule is expected to be similar to once per week collection. Increasing beyond twice-per-week collections would increase operating costs.

During the December 7, 2022, ZBA application meeting with Region staff, Burnside was informed the development will not receive non-residential waste collection services. Therefore, private collection must be arranged. The management of non-residential waste is discussed in Section 3.0.

## 1.1 Design Resources

In preparing this report, Burnside has considered the following sources:

- Halton Region – ‘Development Design Guidelines for Source Separation of Solid Waste, Regional Official Plan Guidelines’, Version 1.0 dated June 2014.
- Pre-consultation Meeting notes from Halton Region dated December 7, 2022.
- Direct communications with Halton staff related to waste management and collection for large development projects.
- Halton Region – By-law No. 123-12 and No. 88-15.
- Waste Diversion Ontario – Continuous Improvement Fund (CIF) Report 219: Best Practices for the Storage and Collection of Recyclables in Multi-Residential Buildings, dated February 2011.
- Waste Diversion Ontario – Continuous Improvement Fund (CIF) Report 723: Multi-residential Project Debriefing Series, dated March 14, 2014.
- *Resource Recovery and Circular Economy Act*, 2016.
- Ontario Food and Organic Waste Framework, dated April 2018.



### 1.1.1 Halton Region Guidelines

Halton Region's (Region) 'Development Design Guidelines for Source Separation of Solid Waste' document (hereinafter referred to as the 'Guidelines') outline the requirements to obtain approval for municipal waste collection services. Following the Guidelines provides some flexibility to address future solid waste management needs and programs. In addition, the Region's municipal waste collection services are preferred over private services when considering long term operating costs for the development.

Based on the Guidelines, the residential portion of this development is expected to be compatible with Regional provided recycling, organics, and refuse collection. This waste management plan for the development is sufficiently flexible to allow future revision of Regional waste collection processes, including privatization and changes anticipated by the *Resource Recovery and Circular Economy Act* (RRCEA).

### 1.1.2 Other Considerations

In addition to the Region's Guidelines, Burnside considered Continuous Improvement Fund (CIF) Report 219 and Report 723 related to multiunit residential buildings for their waste management effectiveness. Both reports made recommendations for the design and operation of waste management systems for new multi-residential buildings. The findings of the CIF reports are consistent with Regional Guidelines. Burnside has also studied the Ontario Food and Organic Waste Framework which outlines the objective of increasing resource recovery (from food and organic waste in particular) from multi-unit residential buildings.

## 2.0 Residential Waste Management System Elements

### 2.1 Waste Storage Rooms

Towers A, B and C provide residents with equal access for waste disposal. Each Tower has its own Residential Waste Storage Room located on Level P1. Two Bulky Waste Storage Rooms, shared by the three Towers, are also located on Level P1. In accordance with Section's 1.9.2 and 1.9.3 of the Guidelines, the Residential Waste Storage Rooms for this development will feature the following:

- A chute system consisting of three separate chutes for recyclables, organics, and garbage will be used to deliver these wastes to the Residential Waste Storage Rooms.
  - The chute system will be accessible to all residential units via internal corridors.
  - Controls at chute access points include an interlock to prevent simultaneous access and access during maintenance.
- Each Residential Waste Storage Room will have a compactor to minimize the number of bins required for garbage storage.
- Bulky Waste Storage Rooms are located near Towers A and C's Residential Waste Storage Rooms on Level P1. The two rooms provide a combined 45 m<sup>2</sup> of storage space to service all residents (exceeding 10 m<sup>2</sup> per tower). Tower B's residents may use either of these rooms.
- Aside from the Bulky Waste Rooms, all waste storage rooms (both for residential and non-residential – see Section 3.0) will be locked and inaccessible to residents. See additional details in Section 2.3.
- All waste storage rooms, including bulky waste storage rooms, will be rodent proof, properly ventilated, and include a hose bib and floor drain for periodically washing the room, equipment, and waste containers (carts and bins). Should it be necessary, odour and insect issues can be addressed by:
  - Increasing the cleaning efforts for the room and its equipment.
  - Adding odour neutralizer sprays in the waste room(s).
  - Increasing the ventilation (air changes per hour).
  - Reducing the storage temperature (air conditioning).
- The width of the doors for all waste storage rooms will be enough to accommodate the size of all required waste containers, a minimum of 2.2 m in width.

### 2.2 Equipment Requirements

Three chutes will lead recyclables, organic waste, and garbage into each Residential Waste Storage Room. The following equipment will be located under each chute:

- Recyclables chute: 4 yd<sup>3</sup> front-load bins for storing recyclables.
- Organics chute: 360 L semi-automated carts for storing organics waste.
- Garbage chute: A compactor that loads 3 yd<sup>3</sup> front-load bins for storing garbage.

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Burnside has determined waste storage container needs (bin counts) from the Guidelines and details provided via direct communications<sup>2</sup> with the Region's Multi-residential Waste Diversion Coordinator.

1. Recycling (loose):
  - a) 56 residential units can be serviced by one 4 yd<sup>3</sup> front-lift bin.
2. Organics:
  - b) One 360 L (0.34 yd<sup>3</sup>) organics bin is required for every 25 residential units.
3. Garbage (compacted):
  - c) 54 residential units per 3 yd<sup>3</sup> front-lift bin.

Halton Guidelines, and the container requirements above, assume once per week collection. As noted in Section 1.0, Halton indicated multiple collections per week may be possible. We have; therefore, developed bin counts for once per week and twice per week collection. For once per week, we assume each waste stream is collected on its own day. For twice per week collection, two streams may be collected on one day – either organics and recycling or organics and garbage, but not recycling and garbage. More details about the development's collection schedule are discussed in Section 2.6.3.

Table 2 outlines the equipment requirements for each Residential Waste Storage Room. Maintenance staff will check the bins daily to ensure those reaching capacity are exchanged for empty ones. They will also control access to the Residential Waste Storage Room as there are safety concerns associated with the chutes and the garbage compactor.

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<sup>2</sup> Garbage and recycling bin ratios were provided to Burnside via March 22, 2022 email from Halton Region's Multi-residential Waste Diversion Coordinator, Andrew Suprun. These values update Halton's Guidelines.

**Table 2: Residential Waste Storage Room Equipment**

Item	Stream/Use	Quantity <sup>†</sup>					
		Tower A (576 Units)		Tower B (609 Units)		Tower C (671 Units)	
		1/week	2/week	1/week	2/week	1/week	2/week
4 yd <sup>3</sup> front-lift container	Recycling	12	7	12	8	13	8
360 L semi-automated carts	Organics	25	15	26	15	28	17
3 yd <sup>3</sup> front-lift container	Garbage (compacted)	12	8	13	8	14	9
Waste Compactor	Compacts garbage bins	1		1		1	
Bin Puller / Tractor	To move bins and cart trailer	1 (shared)					
Cart Trailer	To move carts	1 (shared)					
† Includes additional container for each stream, for each tower, to allow continuous service during collection.							

The layout of the waste containers in each Residential Waste Storage Room is shown on their respective floor plans, attached as Appendix A. The Residential Waste Storage Room designs accommodate the spatial requirements for all equipment identified in Table 2, and provides space for an additional (extra) organic cart(s), recycling bin(s), and garbage bin(s), as illustrated in each Residential Waste Storage Room in Appendix A. The current design also includes additional space to facilitate more efficient bin movements.

The design of the Residential Waste Storage Rooms also provides flexibility to accommodate future changes to the development's solid waste management requirements such as:

- Storage space for any additional equipment required for solid waste management.
- A revised mixture of containers. For example, in the future, organics could be stored in 2 yd<sup>3</sup> front lift bins.
- Producer Responsibility Organization(s) implementation of two-stream recyclables (e.g., fiber and containers) collection.

### 2.3 Bulky Waste Disposal

There are two Bulky Waste Storage Rooms on Level P1 to be shared between the three towers. A 24.6 m<sup>2</sup> room is located to the south of Tower A's elevator lobby. The second

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19.92 m<sup>2</sup> room is mid-way between and south of the elevator lobbies of Towers A and C. Combined, the two rooms provide 45 m<sup>2</sup> of storage space to service all Towers residents (exceeding 10 m<sup>2</sup> per tower). Tower B residents may use either of these rooms for disposal of Bulky Wastes such as used furniture, mattresses, appliances, etc. The Bulky Waste items will be collected by the Region as coordinated by the Property Manager.

The Bulky Waste Storage Rooms will be operated in a manner ensuring controlled access to residents. Access to these rooms will be facilitated either through the use of a key card system or by staff providing escorted entry. Giving residents easy access, via key card, will provide convenience and reduce bulky wastes from being forced down the waste chutes. Regular supervision of these rooms (i.e., through property management staff checks or via video camera) will help ensure that unacceptable wastes (see Section 2.5) or materials that are subject to a stewardship or a Product Care Association program (such as automotive tires, paints, and electronics) will not be left in the rooms. Should misuse and disposal of unacceptable wastes occur during operation of these rooms, then access can be limited to staff escorted use.

Halton Region also supplies a 40 yd<sup>3</sup> roll-off bin twice per year for bulky waste collection. If required, this bin will be placed in an outdoor area of the development acceptable to Property Management Staff and the Region. Staff will contact the Region to coordinate the delivery and collection.

## **2.4 Grounds Keeping, Maintenance, and Renovations**

It is anticipated that waste generated by minor building maintenance activities, such as replacing broken fixtures, light bulbs, etc. (but excluding those noted in Section 2.5), can be accommodated in the waste room.

Groundskeeping services will be outsourced to a contracted provider. The contractor will be responsible for removal of leaf and yard waste as per the service agreement.

Construction contractors will typically undertake significant renovations or maintenance projects. It is expected that wastes generated during the work will be removed as part of their contract.

## **2.5 Materials Not Collected**

Waste materials not accepted by the Region's three stream waste collection program will not be collected by the Region. Similarly, these materials will not be accepted nor stored in the Residential Waste Storage Rooms. Residents with Hazardous and Special Products (HSP, sometimes called Household Hazardous Waste) or Electronics and Electrical Equipment (EEE) are responsible for the storage and disposal of these materials.

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Residents are to handle and dispose of all waste in accordance with Halton Region's requirements<sup>3</sup>. They may do so by using Return-to-Retailer programs or making use of the Halton Waste Management Site. Generally, the Halton Waste Management Site accepts all waste types, including those not collected by the development's waste management system. Residents must deliver their waste to the Halton Waste Management Site or retailer themselves.

The waste materials that are collected may change as Individual Producer Responsibility (IPR) stewardship programs are developed under the Resource Recovery and Circular Economy Act (RRCEA). For instance, the HSP program began in October 2021. Changes included additional take-back programs at retailers.

## **2.6 Waste Collection**

All waste streams accumulated in each of the Residential Waste Storage Rooms (Section 2.1) and Bulky Waste Storage Areas (Section 2.3) of each Tower will be taken by maintenance staff to the shared loading / staging area (i.e., Collection Point), present on the ground floor of Tower A.

### **2.6.1 Collection Schedule**

Based on discussions with Halton staff regarding a similar, nearby projects, twice-per week collection of waste (or more frequent) may be implemented. Halton staff have indicated that two streams – assumed to be either organics and recycling or organics and garbage – must be awaiting collection in the staging area by 7:00 a.m. Halton is currently unable to schedule trucks for morning and afternoon collections but may be able to do so, or provide additional collection days, in the future. However, the schedule remains unknown until the Region begins collection services.

Further, the Blue Box Transition under the RRCEA, Regulation 391/21, is scheduled to begin April 1, 2025, for the Town of Oakville. This will affect collection of recyclables and may affect the Region's overall collection schedule.

The current design of the Residential Waste Storage Rooms and the loading / staging area will accommodate either once per week or twice per week collection. The container staging for both options is shown in Appendix A, Drawing A206. The staging area is also sized to allow collection of organics and garbage or recycling on the same day; however, same day collection of recycling and garbage cannot be accommodated. We note that, although the actual collection schedule may not match, we are currently assuming a twice per week collection as follows:

- Recyclables – Tuesday and Friday.

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<sup>3</sup> Information on how alternate waste streams must be disposed/recycled can be found on the Region's website, [www.halton.ca/waste](http://www.halton.ca/waste) (accessed September 2024).

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- Organics – Monday and Thursday.
- Garbage – Monday and Thursday.

Burnside assumes an acceptable non-residential waste collection schedule can be implemented that avoids conflicts with the Region's residential waste collection (see Section 3.0). Similarly, the collection schedule will accommodate future Blue Box material collection by the Producer Responsibility Organization without conflicts.

### **2.6.2 Loading / Staging Area Design**

Recyclables, organics, and garbage from all three Towers will be collected in one Collection Point, located on the ground floor of Tower A. The Collection Point will feature:

- A loading area 4.0 m in width by 13.0 m in length with an overhead clearance of 7.5 m.
  - While restricted to 4.0 m width, there is additional space in the loading bay. If needed, the driver will be able to complete a circle-check of the vehicle, even with both driver and passenger doors open.
  - The 7.5 m overhead clearance has no encumbrances such as, beams, sprinkler heads, etc.
- A +/- 2% grade.
- Will support a 35,000 kg (35 tonnes) waste collection vehicle.
- The Waste Loading Space currently has a pillar illustrated in its centre. This will be removed / relocated on future design iterations as to no impact loading operations.

The Region's collection vehicle will be able to access the loading areas, as indicated in the vehicle movement diagrams, attached as Appendix B, showing the minimum 13 m centreline turning radii.

Sharing of the waste loading space will be scheduled in accordance with Regional pick-up times.

### **2.6.3 Collection Method**

On each collection day, prior to 7:00 a.m., maintenance staff will move the waste containers from each Residential Waste Storage Room to the Collection Point. As shown in Appendix A, bins from all three Towers will be transported from to the "Waste Elevator" (located adjacent to Tower A's Bike Storage Room on Level P1). This elevator will then transport the bins from Level P1 to the staging area on the ground floor.

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Maintenance staff may use a ride-on tractor or a trash bin mover<sup>4</sup> for ease of transporting bins.

During collection, maintenance staff will assist in moving and positioning the bins in front of the collection vehicle. This will allow its driver to remain within the vehicle during collection, and not require multiple rows of bins in the staging area, positioned for collection (per Appendix 4 of the Guidelines, a minimum of 6 m width). Staff will then shuffle bins in the staging area as the tipping proceeds. All waste containers will be returned to their respective Residential Waste Storage Rooms following collection.

All waste containers will be returned to their respective Residential Waste Storage Rooms following collection.

While waste containers are awaiting collection in the staging areas, there may not be any left for resident use in the Residential Waste Storage Rooms. In this case, the chute system may be 'locked out' to prevent disposal of that waste type (or all wastes). All residents will be made aware of the waste collection schedule so they can plan their disposal routine while minimizing waste stream contamination and maximizing diversion.

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<sup>4</sup> The WasteCaddy (<https://www.djproducts.com/product/video-wastecaddy-efficient-trash-bin-mover/>, or <https://www.djproducts.com/product/wastecaddy-ride-on-dumpster-mover/> accessed September 2024) is provided as an example.



### 3.0 Non-residential Waste Management

The Region has stated they will not provide waste collection for non-residential wastes generated by this development. As such, private collection will be arranged for non-residential wastes produced at the property. These wastes will be stored separately from residential wastes in a dedicated Non-residential Waste Room (sized 89.8 m<sup>2</sup>) located at the ground floor of Tower A, adjacent to the Waste Staging Area.

#### 3.1 Storage Room and Equipment

It is expected that non-residential wastes will be temporarily stored within each commercial unit in a small closet using 360 L carts (or smaller) for each waste stream (i.e., garbage, recyclables, and organic waste), before they are transported via an external route to the Non-residential Waste Room. This movement will be completed by the commercial tenants either daily or once the cart(s) are filled.

Frequent collection may be required for odorous wastes generated by the potential daycare on the ground floor of Tower A. Dedicated containers for these wastes would be labelled for identification by daycare operators and maintenance staff.

The Non-residential Waste Room will be of a sufficient size to allow for the storage and maneuvering of multiple 360 L carts or front-lift bins for each waste stream, dependent on the operational requirements.

##### 3.1.1 Using Front-lift Bins

Should front-lift bins be used for storage, a cart tipper<sup>5</sup> will be required in the Non-residential Waste Room to empty carts into front-lift bins. A sample layout for this Room, based on conservative estimates, has been shown on the 'Level 1 Plan' (Drawing No. A206) of Appendix A. This layout displays the anticipated:

- Weekly number of front-lift bins for collection.
- Cart-tipper and bin puller floorspace.

The use of the room in this manner can be operated by either:

##### a) Commercial Tenants:

Tenants will bring their waste carts to the waste storage room and use the cart tipper to empty the cart into the appropriate front-lift bin. The tenant will return their emptied cart to their (commercial unit) storage closet.

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<sup>5</sup> A cart tipper such as one from Vestil Manufacturing Corp. or similar, may be used (e.g., <https://www.vestil.com/product.php?FID=227>, accessed September 2024).

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This option has the benefit of requiring the fewest carts. However, training must be provided to the tenant's staff for the safe use of the cart tipper. This has been assumed with the currently illustrated design.

b) Facility Maintenance:

Tenants will bring their filled waste carts to the waste storage room. There will be spare, empty carts in the room. The tenant will grab one of the spare carts and return to their (commercial) unit, leaving their filled cart(s) in the waste storage room.

Facility maintenance staff will empty the filled carts using the cart tipper. The emptied carts will then be positioned for reuse by the tenants.

A minimum of two days of carts are recommended with this method. Tenant staff will not require training to operate the cart tipper.

### 3.1.2 Using Carts Only

If using only carts (no front-lift bins), then the tenants will:

- Deliver their filled carts to the room.
- Grab an empty cart before returning to their (commercial) unit.

This option is likely to require the highest number of carts compared to other options. Increasing collection frequency (i.e., recycling collection two times per week) would reduce the cart count. Some manual movement of waste to completely load partly filled carts may also reduce the number of carts required.

Burnside has not prepared a figure that shows this waste storage option.

## 3.2 Collection Point and Waste Collection

Collection of non-residential waste will take place at the same Collection Point that is used for residential waste. Facility maintenance staff will be responsible for moving the front-lift bins or carts into the Waste Staging Area using the scissor lift (and overhead door) that separate the staging area from the Non-residential Waste Storage Room.

Private collection of non-residential waste will be scheduled so that it does not conflict with the Region's (residential) waste collection schedule or future Producer Responsibility Organization collection of residential Blue Box materials.

## 4.0 Conclusions

From the research completed in preparing this report, Burnside believes that the Oakville TOC site, located at 590 Argus Road, has a waste management system that will operate in a safe, functional, and accessible manner, compatible with the Region's residential waste collection system. Furthermore, the development's design provides the flexibility required to address future solid waste management systems.

Burnside will work with the architectural team to ensure the site's design considers the Region's waste management Guidelines and addresses any municipal comments when preparing future submissions.



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## Appendix A

### Site Plan and Statistics and Waste Room and Loading Area Plans

SHEET LIST

- A000 - PROJECT INFORMATION  
 A001 SHEET LIST, ZONING REQUIREMENTS  
 A101 SITE SURVEY  
 A111 SITE PLAN @ ROOF LEVEL  
 A112 TOWER SEPARATION DIAGRAM  
 A113 WASTE MANAGEMENT & LOADING PLAN

- A200 - FLOOR PLANS  
 A200 LEVEL P6 PLAN  
 A201 LEVEL P5 PLAN  
 A202 LEVEL P4 PLAN  
 A203 LEVEL P3 PLAN  
 A204 LEVEL P2 PLAN  
 A205 LEVEL P1 PLAN  
 A206 LEVEL 1 PLAN  
 A207 LEVEL 2 PLAN  
 A208 LEVEL 3 PLAN  
 A209 LEVEL 4 PLAN  
 A210 LEVEL 5 PLAN  
 A211 LEVEL 6 PLAN  
 A212 LEVEL 7 PLAN  
 A213 LEVEL 8 PLAN  
 A214 LEVEL 9 PLAN  
 A215 LEVEL 10 PLAN  
 A216 LEVEL 11 PLAN  
 A217 LEVEL 12 PLAN  
 A218 LEVEL 13 PLAN  
 A219 TYP TOWER PLAN  
 A220 LEVEL 15 PLAN  
 A221 LEVEL 16 PLAN  
 A222 LEVEL P4 PLAN  
 A223 LEVEL MPH PLAN  
 A224 ROOF PLAN

- A400 - ELEVATIONS  
 A401 NORTH & SOUTH ELEVATIONS  
 A402 EAST & WEST ELEVATIONS

- A500 - SECTIONS  
 A501 BUILDING SECTIONS

- A700 - RENDERINGS  
 A701 PERSPECTIVES

DEVELOPMENT UNIT MIX						
NAME	MIN (SM)	MIN (SF)	MAX (SM)	MAX (SF)	COUNT	%
STUDIO	31.15 m <sup>2</sup>	335 SF	44.58 m <sup>2</sup>	480 SF	153	8.2%
1B	40.24 m <sup>2</sup>	433 SF	63.53 m <sup>2</sup>	684 SF	449	24.2%
1B+D	45.03 m <sup>2</sup>	485 SF	69.43 m <sup>2</sup>	747 SF	663	33.6%
2B	56.20 m <sup>2</sup>	605 SF	73.78 m <sup>2</sup>	794 SF	605	32.2%
3B					126	6.6%
<b>1856</b>						100%

UNIT MIX TOWER A					
NAME	MINIMUM (SF)	MAXIMUM (SF)	COUNT	%	
STUDIO	338 SF	478 SF	45	7.6%	
1B	507 SF	593 SF	93	16.1%	
1B+D	509 SF	747 SF	205	35.6%	
2B	633 SF	773 SF	178	31.1%	
3B	787 SF	900 SF	54	9.4%	
<b>576</b>					

UNIT MIX TOWER B					
NAME	MINIMUM (SF)	MAXIMUM (SF)	COUNT	%	
STUDIO	340 SF	490 SF	46	8%	
1B	433 SF	684 SF	99	16%	
1B+D	485 SF	747 SF	238	42%	
2B	605 SF	794 SF	148	24%	
3B	781 SF	948 SF	58	10%	
<b>609</b>					

UNIT MIX TOWER C					
UNIT TYPE	MINIMUM (SF)	MAXIMUM (SF)	COUNT	%	
STUDIO	335 SF	436 SF	62	9.2%	
1B	433 SF	577 SF	257	38.3%	
1B+D	517 SF	630 SF	160	23.6%	
2B	605 SF	748 SF	178	26.3%	
3B			14	2.1%	
<b>671</b>					

UNIT SUMMARY (PER LEVEL) TOWER A					
LEVEL	UNIT CATEGORY	MIN (SF)	MAX (SF)	COUNT	
LEVEL 02	STUDIO	405 SF	405 SF	1	
LEVEL 02	1B	507 SF	517 SF	2	
LEVEL 02	1B+D	568 SF	622 SF	8	
LEVEL 02	2B	648 SF	668 SF	3	
LEVEL 03	STUDIO	425 SF	425 SF	1	
LEVEL 03	1B	511 SF	513 SF	2	
LEVEL 03	1B+D	562 SF	626 SF	7	
LEVEL 03	2B	646 SF	666 SF	3	
LEVEL 04	STUDIO	415 SF	415 SF	13	
LEVEL 04	1B	512 SF	512 SF	2	
LEVEL 04	1B+D	568 SF	662 SF	8	
LEVEL 04	2B	643 SF	668 SF	3	
LEVEL 05	STUDIO	426 SF	426 SF	1	
LEVEL 05	1B	509 SF	526 SF	3	
LEVEL 05	1B+D	569 SF	645 SF	9	
LEVEL 05	2B	643 SF	711 SF	3	
LEVEL 05	3B	830 SF	830 SF	1	
LEVEL 06	STUDIO	470 SF	470 SF	1	
LEVEL 06	1B	530 SF	530 SF	4	
LEVEL 06	1B+D	597 SF	725 SF	9	
LEVEL 06	2B	644 SF	675 SF	4	
LEVEL 06	3B	830 SF	830 SF	1	
LEVEL 07	STUDIO	381 SF	476 SF	2	
LEVEL 07	1B	435 SF	540 SF	5	
LEVEL 07	1B+D	544 SF	747 SF	8	
LEVEL 07	2B	600 SF	736 SF	3	
LEVEL 07	3B	830 SF	851 SF	2	
LEVEL 08	1B	510 SF	510 SF	1	
LEVEL 08	1B+D	545 SF	709 SF	8	
LEVEL 08	2B	600 SF	681 SF	3	
LEVEL 08	3B	830 SF	876 SF	1	
LEVEL 09	1B	510 SF	510 SF	15	
LEVEL 09	1B+D	551 SF	706 SF	7	
LEVEL 09	2B	650 SF	676 SF	4	
LEVEL 09	3B	830 SF	880 SF	2	
LEVEL 10	STUDIO	348 SF	360 SF	2	
LEVEL 10	1B	510 SF	520 SF	3	
LEVEL 10	1B+D	551 SF	626 SF	3	
LEVEL 10	2B	646 SF	684 SF	3	
LEVEL 10	3B	789 SF	830 SF	2	
LEVEL 11	1B	510 SF	520 SF	2	
LEVEL 11	1B+D	551 SF	637 SF	5	
LEVEL 11	2B	650 SF	676 SF	3	
LEVEL 11	3B	830 SF	830 SF	1	
LEVEL 12	STUDIO	338 SF	338 SF	13	
LEVEL 12	1B	510 SF	510 SF	1	
LEVEL 12	1B+D	551 SF	637 SF	3	
LEVEL 12	2B	637 SF	717 SF	4	
LEVEL 12	3B	789 SF	830 SF	1	
LEVEL 13	STUDIO	340 SF	340 SF	12	
LEVEL 13	1B	510 SF	510 SF	2	
LEVEL 13	1B+D	551 SF	637 SF	4	
LEVEL 13	2B	610 SF	672 SF	4	
LEVEL 13	3B	830 SF	830 SF	1	
LEVEL 14	STUDIO	340 SF	340 SF	12	
LEVEL 14	1B	510 SF	510 SF	2	
LEVEL 14	1B+D	551 SF	637 SF	4	
LEVEL 14	2B	610 SF	672 SF	4	
LEVEL 14	3B	830 SF	830 SF	1	
LEVEL 15	STUDIO	340 SF	340 SF	12	
LEVEL 15	1B	510 SF	510 SF	2	
LEVEL 15	1B+D	551 SF	637 SF	4	
LEVEL 15	2B	610 SF	672 SF	4	
LEVEL 15	3B	830 SF	830 SF	1	
LEVEL 16	STUDIO	340 SF	340 SF	12	
LEVEL 16	1B	510 SF	510 SF	2	
LEVEL 16	1B+D	551 SF	637 SF	4	
LEVEL 16	2B	610 SF	672 SF	4	
LEVEL 16	3B	830 SF	830 SF	1	
LEVEL 17	STUDIO	302 SF	302 SF	2	
LEVEL 17	1B	409 SF	409 SF	2	
LEVEL 17	1B+D	462 SF	588 SF	2	
LEVEL 17	2B	588 SF	773 SF	8	
LEVEL 17	3B	611 SF	900 SF	6	
TOTAL				576	

UNIT SUMMARY (PER LEVEL) TOWER B					
LEVEL	UNIT CATEGORY	MIN (SF)	MAX (SF)	COUNT	
LEVEL 02	STUDIO	405 SF	405 SF	1	
LEVEL 02	1B	509 SF	516 SF	2	
LEVEL 02	1B+D	549 SF	638 SF	8	
LEVEL 02	2B	648 SF	705 SF	3	
LEVEL 03	STUDIO	425 SF	425 SF	1	
LEVEL 03	1B	511 SF	512 SF	2	
LEVEL 03	1B+D	547 SF	638 SF	7	
LEVEL 03	2B	646 SF	699 SF	3	
LEVEL 04	STUDIO	426 SF	426 SF	13	
LEVEL 04	1B	512 SF	512 SF	2	
LEVEL 04	1B+D	547 SF	712 SF	10	
LEVEL 04	2B	646 SF	699 SF	4	
LEVEL 04	3B	822 SF	822 SF	1	
LEVEL 05	STUDIO	426 SF	426 SF	19	
LEVEL 05	1B	509 SF	512 SF	3	
LEVEL 05	1B+D	549 SF	642 SF	9	
LEVEL 05	2B	643 SF	711 SF	4	
LEVEL 05	3B	822 SF	822 SF	1	
LEVEL 06	STUDIO	453 SF	453 SF	19	
LEVEL 06	1B	507 SF	511 SF	4	
LEVEL 06	1B+D	544 SF	739 SF	9	
LEVEL 06	2B	646 SF	685 SF	3	
LEVEL 06	3B	822 SF	822 SF	1	
LEVEL 07	STUDIO	381 SF	480 SF	2	
LEVEL 07	1B	435 SF	535 SF	5	
LEVEL 07	1B+D	544 SF	742 SF	8	
LEVEL 07	2B	600 SF	733 SF	3	
LEVEL 07	3B	822 SF	854 SF	2	
LEVEL 08	1B	509 SF	509 SF	17	
LEVEL 08	1B+D	551 SF	712 SF	9	
LEVEL 08	2B	600 SF	676 SF	4	
LEVEL 08	3B	822 SF	876 SF	3	
LEVEL 09	STUDIO	335 SF	335 SF	15	
LEVEL 09	1B	509 SF	509 SF	1	
LEVEL 09	1B+D	550 SF	714 SF	8	
LEVEL 09	2B	660 SF	678 SF	3	
LEVEL 09	3B	822 SF	876 SF	1	
LEVEL 10	STUDIO	348 SF	360 SF	14	
LEVEL 10	1B	509 SF	509 SF	3	
LEVEL 10	1B+D	551 SF	637 SF	4	
LEVEL 10	2B	642 SF	673 SF	3	
LEVEL 10	3B	789 SF	823 SF	2	
LEVEL 11	STUDIO	340 SF	340 SF	14	
LEVEL 11	1B	509 SF	510 SF	3	
LEVEL 11	1B+D	551 SF	637 SF	4	
LEVEL 11	2B	646 SF	716 SF	4	
LEVEL 11	3B	823 SF	823 SF	1	
LEVEL 12	STUDIO	341 SF	341 SF	1	
LEVEL 12	1B	514 SF	514 SF	1	
LEVEL 12	1B+D	551 SF	637 SF	3	
LEVEL 12	2B	626 SF	716 SF	2	
LEVEL 12	3B	781 SF	830 SF	3	
LEVEL 13	STUDIO	344 SF	344 SF	11	
LEVEL 13	1B	507 SF	514 SF	3	
LEVEL 13	1B+D	551 SF	637 SF	4	
LEVEL 13	2B	626 SF	694 SF	3	
LEVEL 13	3B	830 SF	830 SF	1	
LEVEL 14	STUDIO	344 SF	344 SF	30	
LEVEL 14	1B	509 SF	514 SF	3	
LEVEL 14	1B+D	551 SF	637 SF	4	
LEVEL 14	2B	610 SF	672 SF	4	
LEVEL 14	3B	830 SF	830 SF	1	
LEVEL 15	STUDIO	345 SF	345 SF	30	
LEVEL 15	1B	511 SF	514 SF	3	
LEVEL 15	1B+D	551 SF	637 SF	4	
LEVEL 15	2B	610 SF	672 SF	4	
LEVEL 15	3B	830 SF	830 SF	1	
LEVEL 16	STUDIO	345 SF	345 SF	10	
LEVEL 16	1B	509 SF	509 SF	3	
LEVEL 16	1B+D	551 SF	637 SF	4	
LEVEL 16	2B	643 SF	661 SF	3	
LEVEL 16	3B	784 SF	784 SF	1	
LEVEL 17	STUDIO	302 SF	302 SF	10	
LEVEL 17	1B	409 SF	409 SF	2	
LEVEL 17	1B+D	462 SF	588 SF	2	
LEVEL 17	2B	588 SF	774 SF	8	
LEVEL 17	3B	611 SF	949 SF	6	
TOTAL				609	

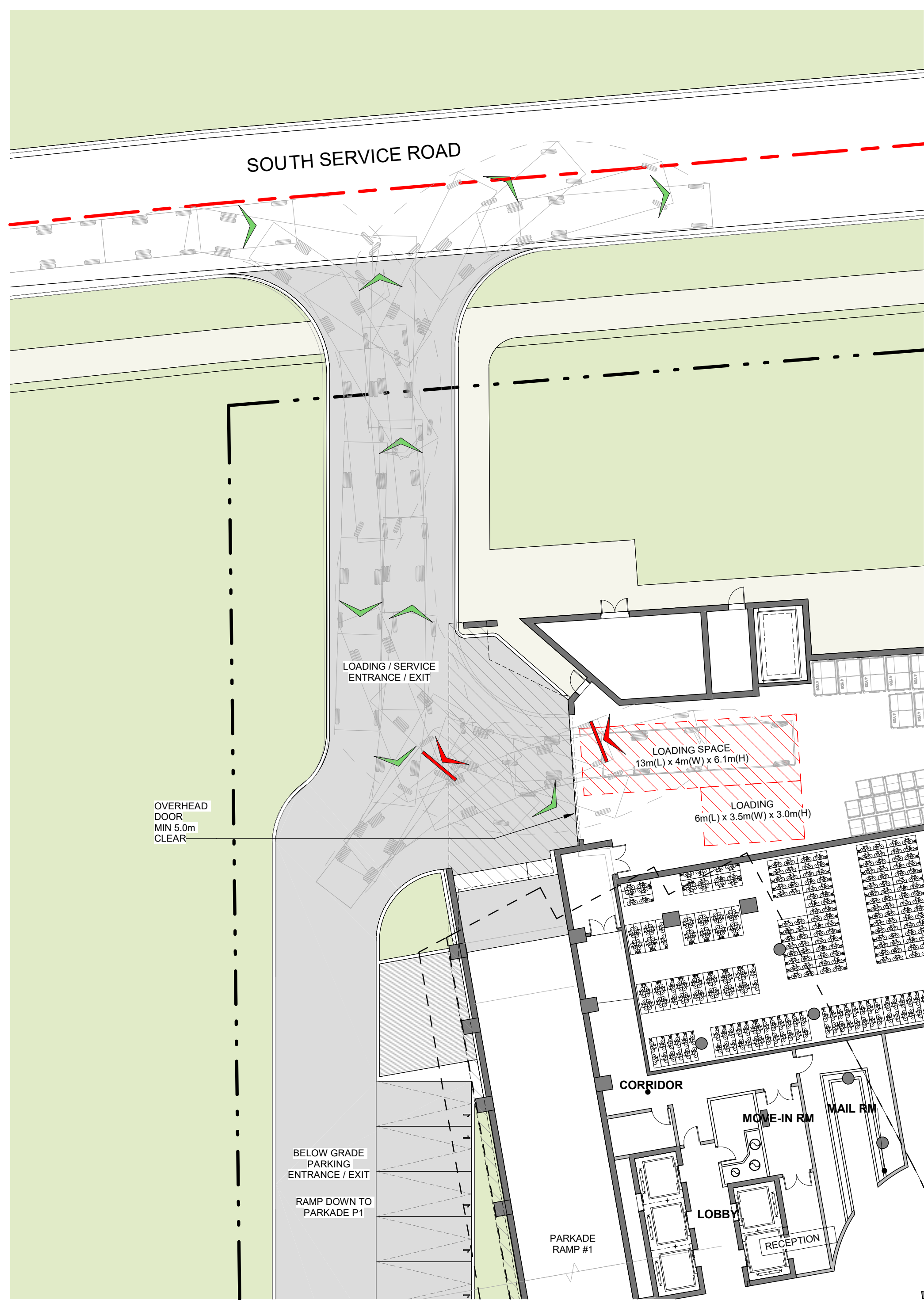
UNIT SUMMARY (PER LEVEL) TOWER C					
LEVEL	UNIT CATEGORY	MIN (SF)	MAX (SF)	COUNT	
LEVEL 02	STUDIO	330 SF	436 SF	2	
LEVEL 02	1B	511 SF	528 SF	4	
LEVEL 02	1B+D	548 SF	638 SF	4	
LEVEL 02	2B	629 SF	746 SF	5	
LEVEL 03	STUDIO	330 SF	436 SF	2	
LEVEL 03	1B	509 SF	528 SF	4	
LEVEL 03	1B+D	548 SF	638 SF	4	
LEVEL 03	2B	629 SF	746 SF	5	
LEVEL 04	STUDIO	330 SF	436 SF	2	
LEVEL 04	1B	509 SF	528 SF	6	
LEVEL 04	1B+D	548 SF	638 SF	6	
LEVEL 04	2B	629 SF	746 SF	5	
LEVEL 05	STUDIO	330 SF	436 SF	17	
LEVEL 05	1B	510 SF	519 SF	4	
LEVEL 05	1B+D	548 SF	638 SF	6	
LEVEL 05	2B	629 SF	729 SF	5	
LEVEL 06	STUDIO	368 SF	378 SF	2	
LEVEL 06	1B	504 SF	519 SF	4	
LEVEL 06	1B+D	544 SF	619 SF	5	
LEVEL 06	2B	622 SF	693 SF	4	
LEVEL 06	3B	822 SF	822 SF	1	
LEVEL 07	STUDIO	387 SF	411 SF	19	
LEVEL 07	1B	511 SF	569 SF	5	
LEVEL 07	1B+D	544 SF	649 SF	4	
LEVEL 07	2B	674 SF	746 SF	4	
LEVEL 07	3B	822 SF	822 SF	1	
LEVEL 08	STUDIO	380 SF	378 SF	17	
LEVEL 08	1B	504 SF	528 SF	5	
LEVEL 08	1B+D	544 SF	649 SF	4	
LEVEL 08	2B	650 SF	746 SF	3	
LEVEL 08	3B	793 SF	870 SF	2	
LEVEL 09	STUDIO	377 SF	378 SF	16	
LEVEL 09	1B	433 SF	428 SF	2	
LEVEL 09	1B+D	433 SF	528 SF	5	
LEVEL 09	1B+D	554 SF	606 SF	3	
LEVEL 09	2B	625 SF	746 SF	4	
LEVEL 09	3B	822 SF	822 SF	1	

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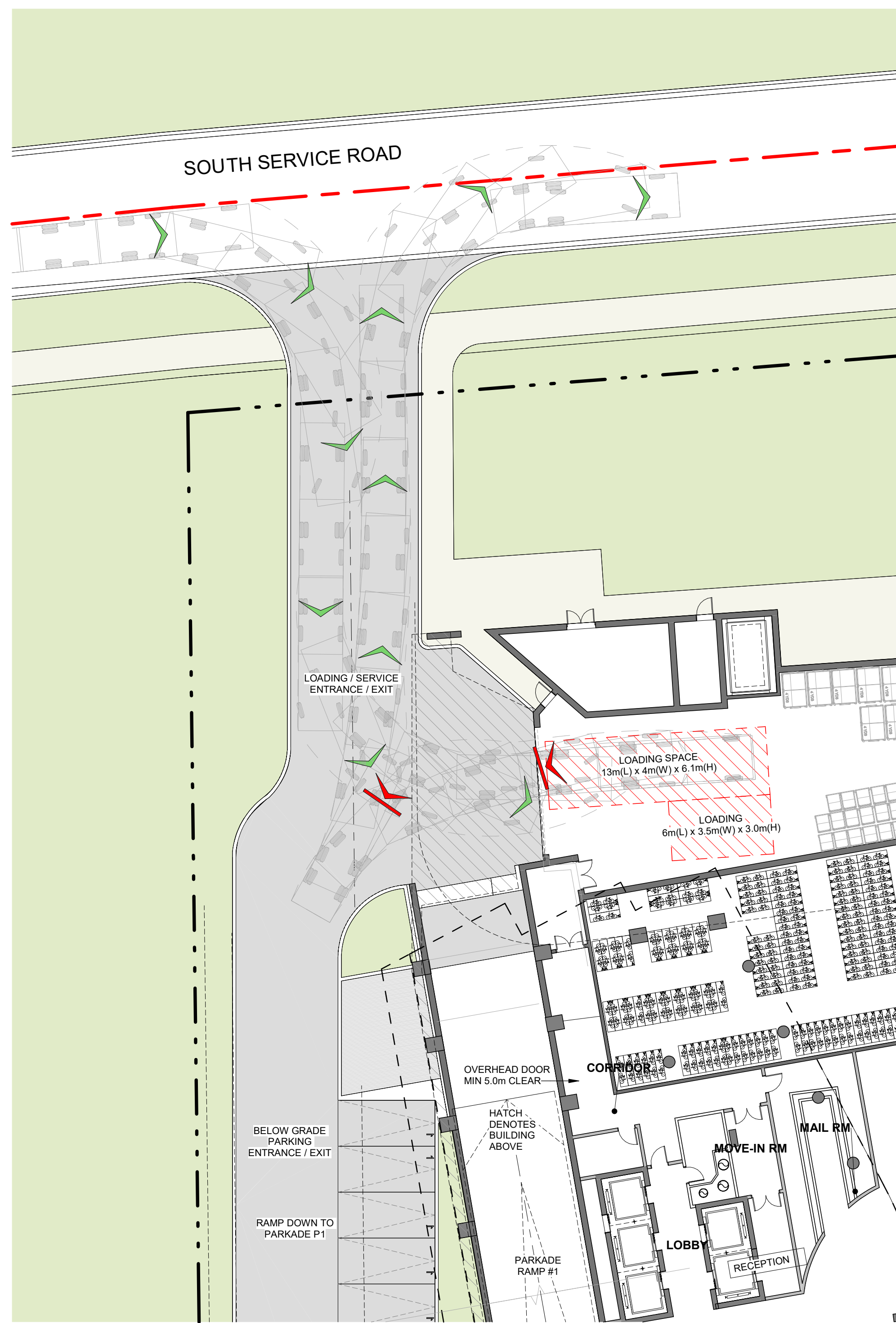
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NO.	DATE	ISSUED FOR:
1	2023-03-20	ISSUED FOR OPAZ/ZA
2	2023-08-28	ISSUED FOR COOPERATION/PRICING
3	2024-03-20	ISSUED FOR OPAZ/ZA - 2nd SUBMISSION
4	2024-09-20	ISSUED FOR TOC DEVELOPMENT



MANOEUVERING DIAGRAM - HEAVY SINGLE UNIT TRUCK 5  
1: 200 A113



MANOEUVERING DIAGRAM - SINGLE UNIT TRUCK 4  
1: 200 A113



MANOEUVERING DIAGRAM - BLDG B - SINGLE UNIT TRUCK 3  
1: 200 A113



MANOEUVERING DIAGRAM - BLDG C - SINGLE UNIT TRUCK 2  
1: 200 A113



MANOEUVERING DIAGRAM - GARBAGE TRUCK / PUDO (5 SPACES) 1  
1: 200 A113

**WASTE MANAGEMENT NOTES:**

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH SHEET A204 LEVEL 1 PLAN, (GROUND FLOOR PLAN ON SITE)
- SOLID WASTE MANAGEMENT WILL PROVIDE BULK LIFT COMPACTED GARBAGE, RECYCLING AND ORGANIC COLLECTION SERVICES FOR THE RESIDENTIAL COMPONENT OF THIS DEVELOPMENT.
- A TRAINED ON-SITE STAFF MEMBER MUST BE AVAILABLE TO MANOEUVRE BINS FOR THE COLLECTION DRIVER AND ALSO ACT AS A FLAGSMAN WHEN THE TRUCK IS REVERSING. IN THE EVENT THE ON-SITE STAFF MEMBER IS UNAVAILABLE AT THE TIME THE RESIDENTIAL COLLECTION VEHICLE ARRIVES AT THE SITE, THE COLLECTION VEHICLE WILL LEAVE THE SITE AND NOT RETURN UNTIL THE NEXT SCHEDULED COLLECTION DAY.
- ALL ACCESS DRIVEWAYS TO BE USED BY THE COLLECTION VEHICLE WILL BE LEVEL (±8%) AT LEAST 4.5m WIDE THROUGHOUT THE SITE AND 6m WIDE AT ENTRANCES AND EXITS, HAVING A MINIMUM 5.0m CLEARANCE UNDER OVERHEAD DOORS.
- THE WASTE LOADING SPACE WILL BE CONSTRUCTED OF AT LEAST 200mm THICK (MIN.) REINFORCED CONCRETE, BE LEVEL (±2%), AND BE AT LEAST 4m WIDE X 15m LONG AND HAVE VERTICAL CLEARANCE OF 7.5m.
- IN ALL AREAS WHERE A COLLECTION VEHICLE IS REQUIRED TO DRIVE ONTO OR OVER A SUPPORT STRUCTURE, THE STRUCTURE IS TO BE DESIGNED TO SAFELY SUPPORT A FULLY LOADED COLLECTION VEHICLE AT 35 METRIC TONNES.
- SHARING OF WASTE LOADING SPACE FOR PURPOSES OF MOVING WILL BE SCHEDULED ACCORDING TO GARBAGE PICK UP TIMES. SHOULD THE WASTE LOADING SPACE BE NEEDED FOR USE BY COMMERCIAL SECTORS, THE COMMERCIAL COMPONENT MUST ARRANGE THIS USE SUCH THAT IT DOES NOT CONFLICT WITH ANY RESIDENTIAL USES.
- THE STAGING PAD ABUTTING THE FRONT OF THE WASTE LOADING SPACE SHALL BE LEVEL (+/-2%), AND SHALL BE CONSTRUCTED OF A MINIMUM OF 200mm REINFORCED CONCRETE.
- THE WASTE LOADING SPACE WILL BE USED BY BOTH RESIDENTIAL AND NON RESIDENTIAL/RETAIL SECTORS. THE NON RESIDENTIAL RETAIL MANAGEMENT MUST ARRANGE FOR THEIR COLLECTION DAYS TO BE SCHEDULED ON DIFFERENT DAYS FROM THOSE OF THE RESIDENTIAL COLLECTION DAYS. FAILURE TO COMPLY WITH THIS ARRANGEMENT WILL RESULT IN THE CANCELLATION OF RESIDENTIAL COLLECTION AT THIS SITE.
- BEFORE SOLID WASTE COLLECTION SERVICES ARE TO BEGIN, THE TOWN OF OAKVILLE & REGION OF HALTON WILL NEED TO BE PROVIDED WITH A LETTER CERTIFIED BY A PROFESSIONAL ENGINEER THAT IN ALL CASES WHERE A COLLECTION VEHICLE IS REQUIRED TO DRIVE ONTO OR OVER A SUPPORTED STRUCTURE, THAT THE STRUCTURE CAN SAFELY SUPPORT A FULLY LOADED COLLECTION VEHICLE (35 METRIC TONNES) AND CONFORM TO THE FOLLOWING:
  - i) DESIGN CODE - ONTARIO BUILDING CODE
  - ii) DESIGN LOAD - CITY BULK LIFT VEHICLE IN ADDITION TO BUILDING CODE REQUIREMENTS
  - iii) IMPACT FACTOR - 5% FOR MAXIMUM VEHICULAR SPEEDS TO 15KM/H AND 30% FOR HIGHER SPEEDS
- DOUBLE DOORS (MINIMUM 2.2m WIDTH) TO BE PROVIDED TO ACCESS EACH WASTE STORAGE (AND BULKY WASTE STORAGE) ROOM. THESE DOORS SHALL OPEN OUTWARDS TO MAXIMIZE STORAGE SPACE.
- WASTE STORAGE ROOMS TO HAVE A HOSE BIB AND FLOOR DRAIN FOR WASHING AND CLEANING OF THE ROOM AND WASTE CONTAINERS.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH R.J. BURNSIDE & ASSOCIATES LIMITED, SOLID WASTE MANAGEMENT PLAN.
- WASTE BINS AND CARTS SHOWN ON THESE DRAWINGS ARE REPRESENTATIONAL ONLY.

**ARCHITECT**

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**STRUCTURAL**  
-  
**MECHANICAL**  
-  
**ELECTRICAL**  
-

**LANDSCAPE**

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**PLANNING**

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T: 416.947.9744

**CLIENT**

**District Developments**  
1-500 Wingo Avenue, Toronto, ON, Canada M8B 1P5  
T: 416.628.9038

**DISTRIKT OAKVILLE**

590 Argus Road, Oakville, ON, Canada

**SEAL**

**WASTE MANAGEMENT & LOADING PLAN**

Author: [Signature] Checker: [Signature]

DRAWN BY: [Signature] CHECKED BY: [Signature]

22-106 As Indicated ARCH E 2024-03-20

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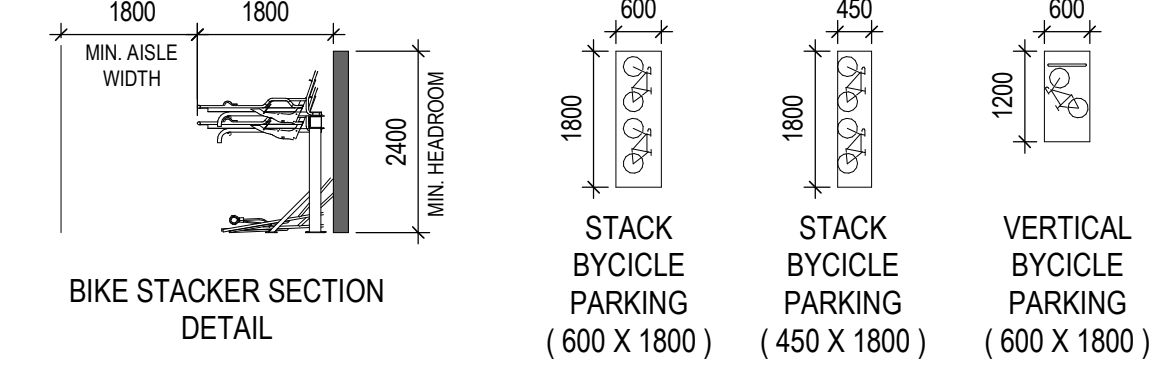
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1	2023-03-20	ISSUED FOR OPAZ/BA
2	2023-08-28	ISSUED FOR COORDINATION PRICING
3	2024-03-20	ISSUED FOR OPAZ/BA - 2nd SUBMISSION
4	2024-09-20	ISSUED FOR TOC DEVELOPMENT

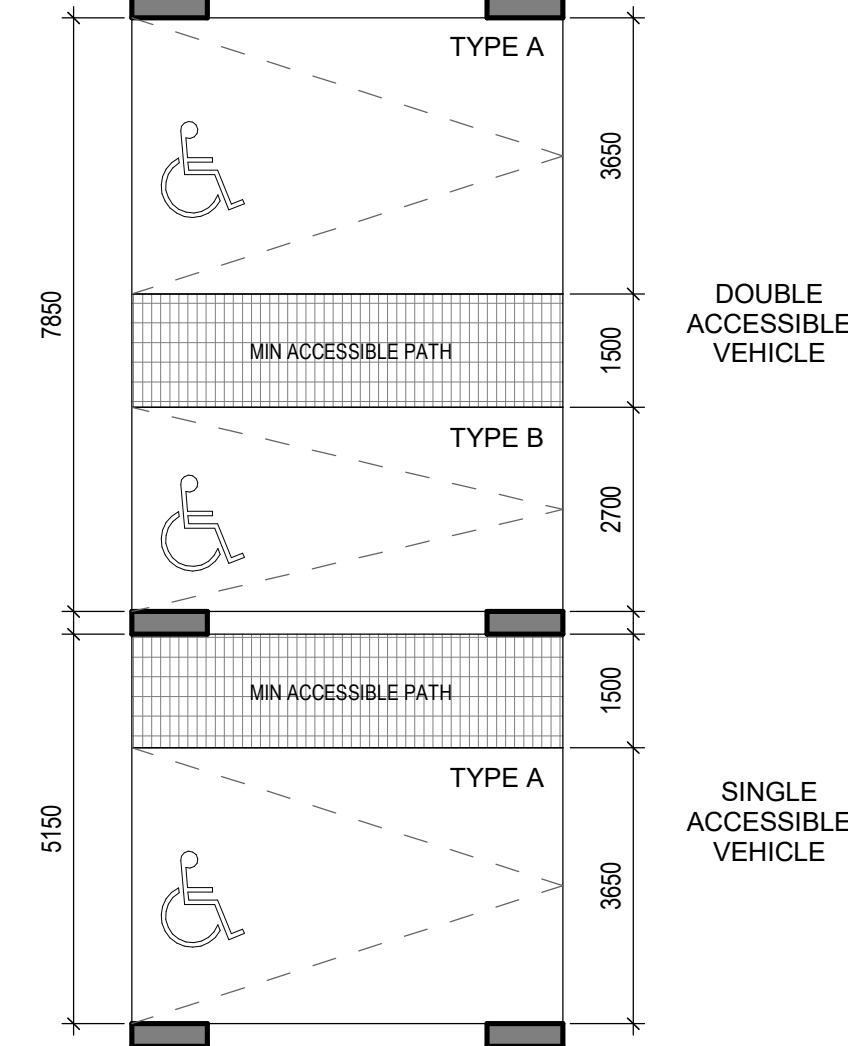
BICYCLE PARKING REQUIREMENT



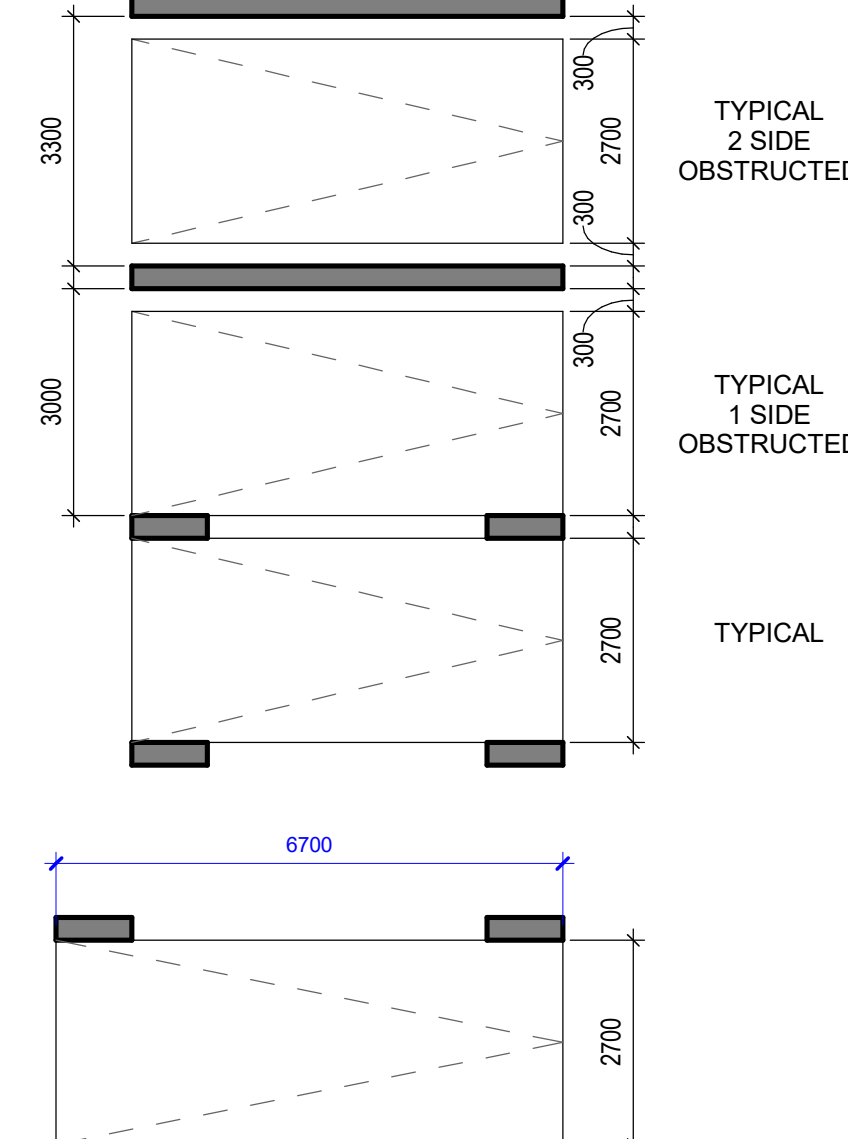
BICYCLE PARKING SUMMARY PER LEVEL	
1422	RESIDENTIAL*
	VISITOR
1422	TOTAL

POTENTIAL RETAIL ANKOR POTENTIAL DAYCARE, TIC

ACCESSIBLE PARKING STALL



TYPICAL PARKING STALL



LEVEL P1 PLAN 1:200 A205

VEHICULAR PARKING SUMMARY PER LEVEL					
LEVEL	PHASE	VEHICULAR (P)			TOTAL
		RESIDENTIAL (R)	NON-RESIDENTIAL (N)	RESIDENTIAL VISITOR (V)	
P1	PHASE 1	12	77		141
P1	PHASE 2	24	28		
P2	PHASE 1				
P2	PHASE 2				
P3	PHASE 1				
P3	PHASE 2				
P4	PHASE 1				
P4	PHASE 2				
P5	PHASE 1				
P5	PHASE 2				
P6	PHASE 1				
P6	PHASE 2				

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- MECHANICAL  
 -
- ELECTRICAL  
 -
- LANDSCAPE  
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**Trafalgar Engineering Limited**  
 1-881 Mountain Road, Oakville, ON, L6K 2W6  
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- TRAFFIC  
**BA Consulting Group Limited**  
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- CLIENT  
**District Developments**  
 1-500 Vantage Avenue, Toronto, ON, Canada M8B 1P5  
 416.628.9038

LEVEL P1 PLAN 1:200 A205

VEHICULAR PARKING SUMMARY PER LEVEL					
LEVEL	PHASE	VEHICULAR (P)			TOTAL
		RESIDENTIAL (R)	NON-RESIDENTIAL (N)	RESIDENTIAL VISITOR (V)	
P1	PHASE 1	12	77		141
P1	PHASE 2	24	28		
P2	PHASE 1				
P2	PHASE 2				
P3	PHASE 1				
P3	PHASE 2				
P4	PHASE 1				
P4	PHASE 2				
P5	PHASE 1				
P5	PHASE 2				
P6	PHASE 1				
P6	PHASE 2				

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A205

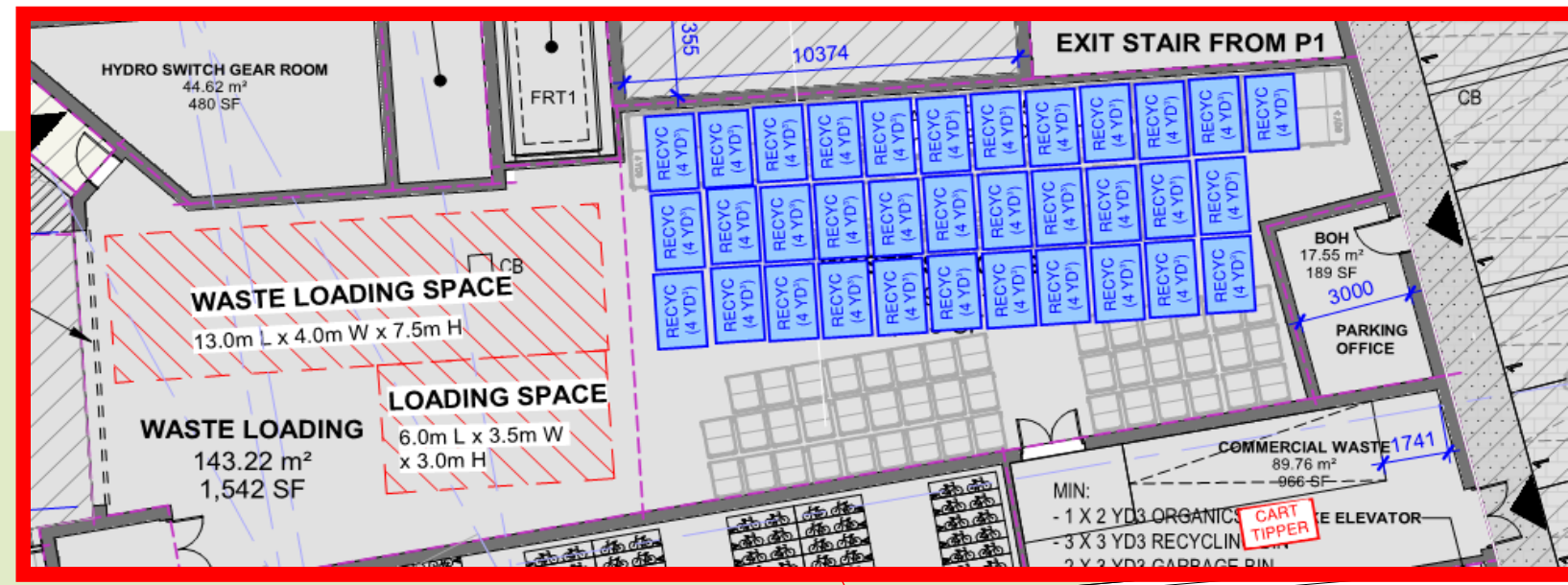
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 A) THE CENTRE POINT OF THE FRONT LOT LINE FOR INTERIOR LOTS AND  
 B) THE AVERAGE OF THE CENTRE POINTS OF EACH LOT LINE ABUTTING A ROAD FOR CORNER LOTS, THROUGH LOTS, THROUGH-CORNER LOTS AND INTERIOR LOTS HAVING MORE THAN ONE SEPARATE FRONT LOT LINE.

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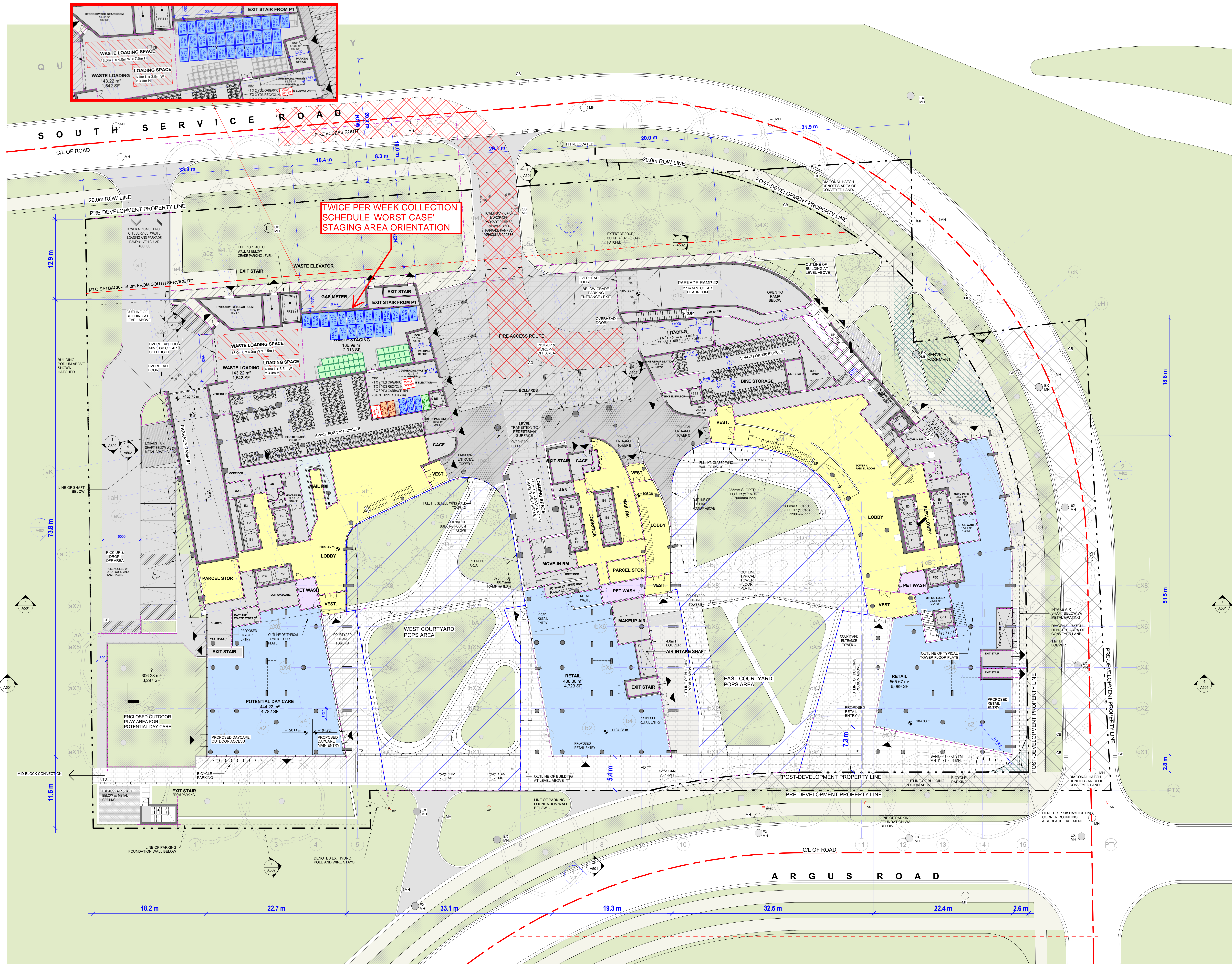
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2	2023-08-28	ISSUED FOR COORDINATION PRICING
3	2024-03-20	ISSUED FOR OPAZ/BA - 2nd SUBMISSION
4	2024-09-20	ISSUED FOR TOC DEVELOPMENT

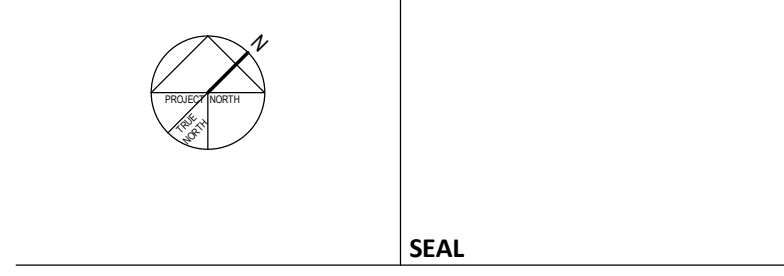
**ONCE PER WEEK COLLECTION SCHEDULE 'WORST CASE' STAGING AREA ORIENTATION**



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**LEVEL 1 PLAN**

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22-106	1: 200
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	2024-03-20
	FORMAT
	PLOT DATE



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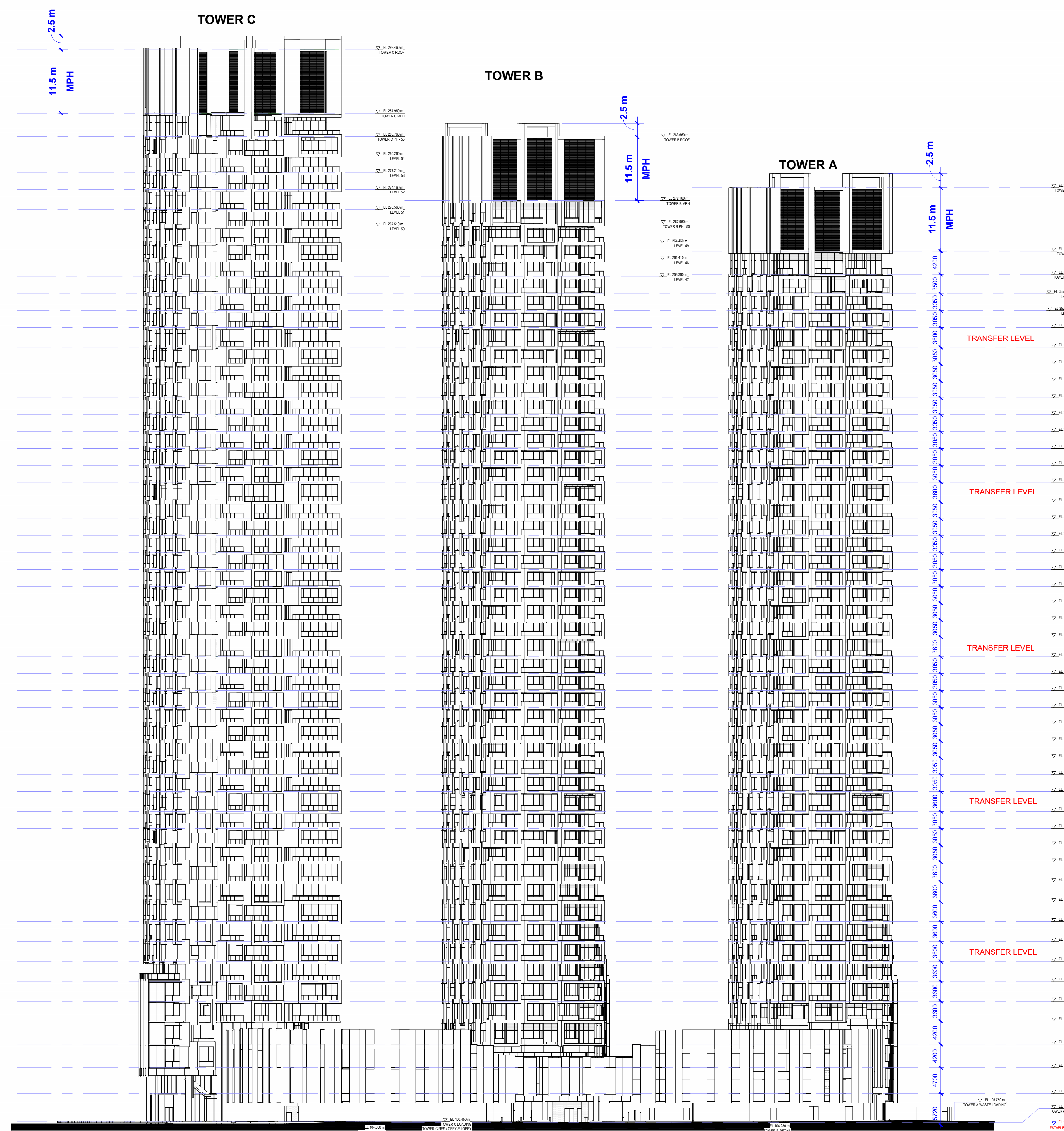
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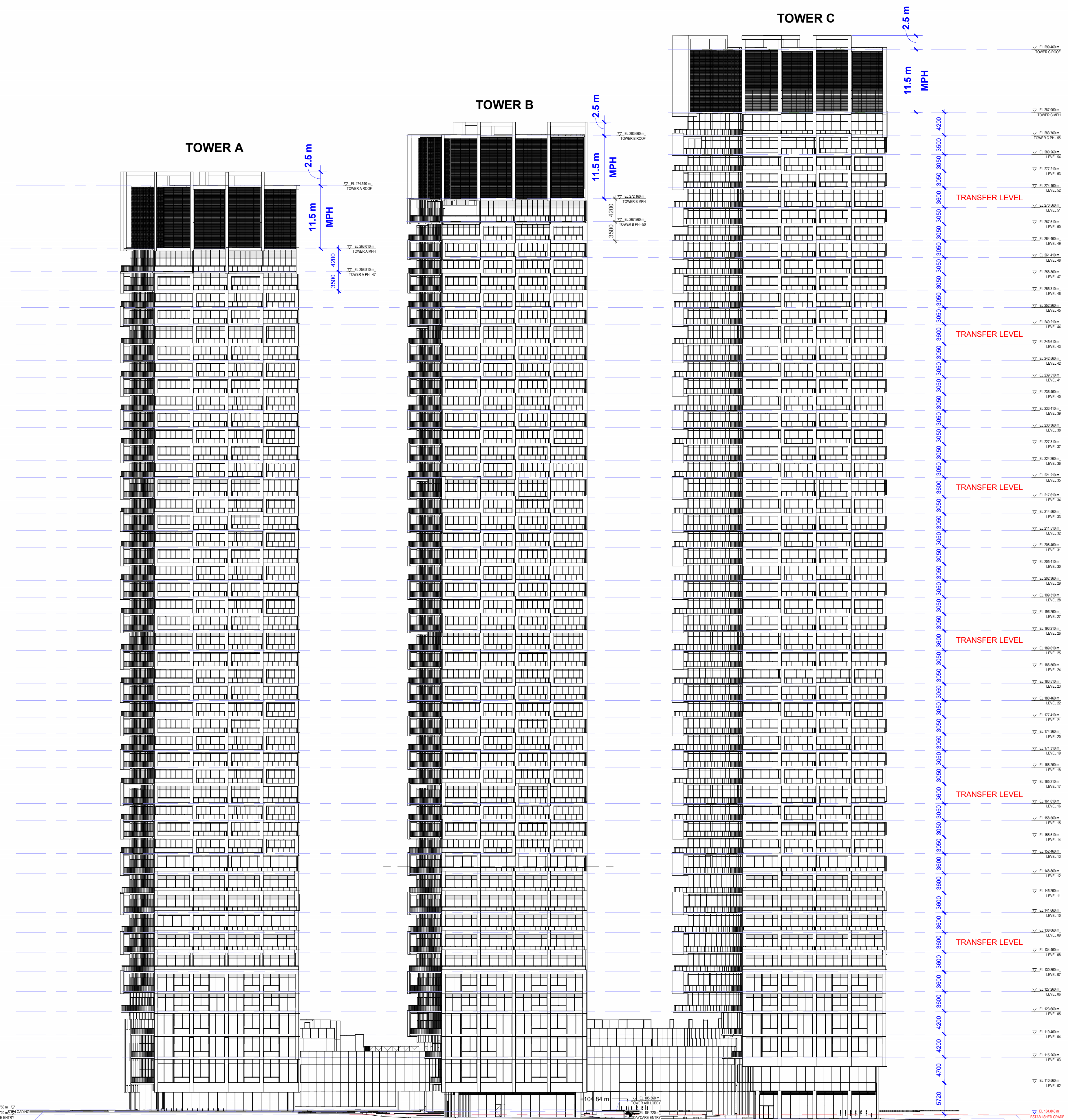
NE AXONOMETRIC 4 A401



SW AXONOMETRIC 3 A401



BUILDING ELEVATION - NORTH 2 A401 1:400



BUILDING ELEVATION - SOUTH 1 A401 1:400

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**NORTH & SOUTH ELEVATIONS**

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	PLOT DATE

**A401**

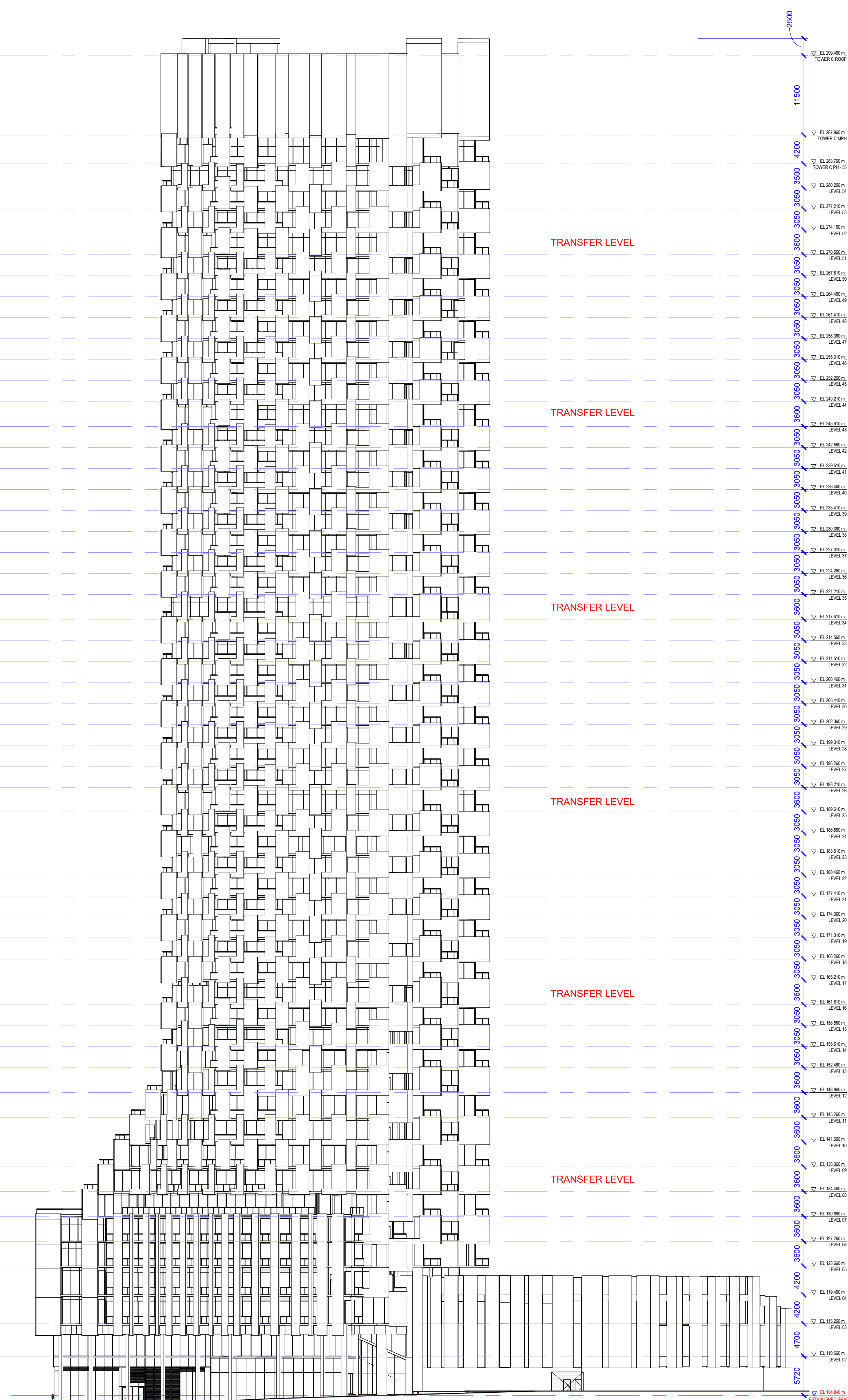
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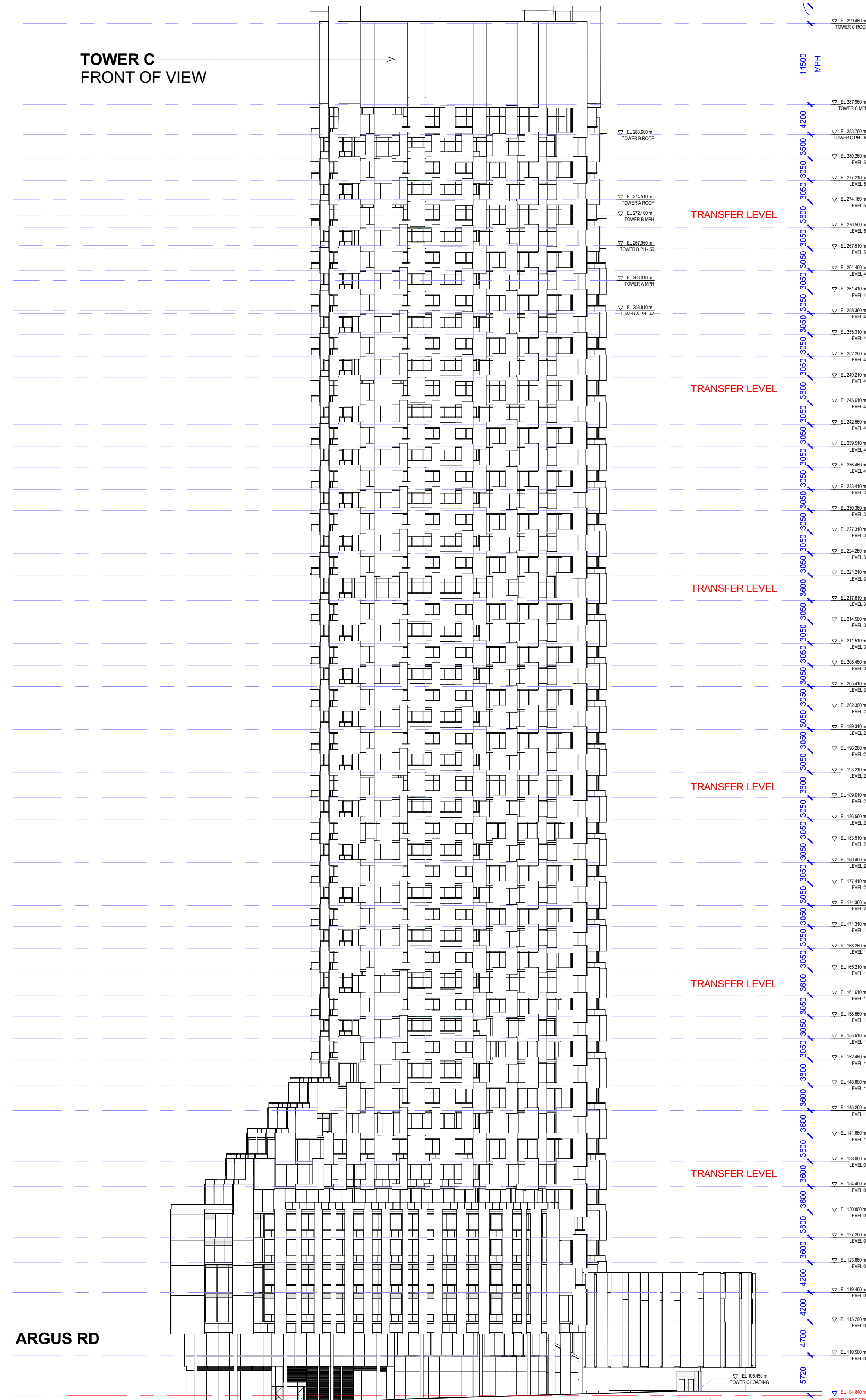
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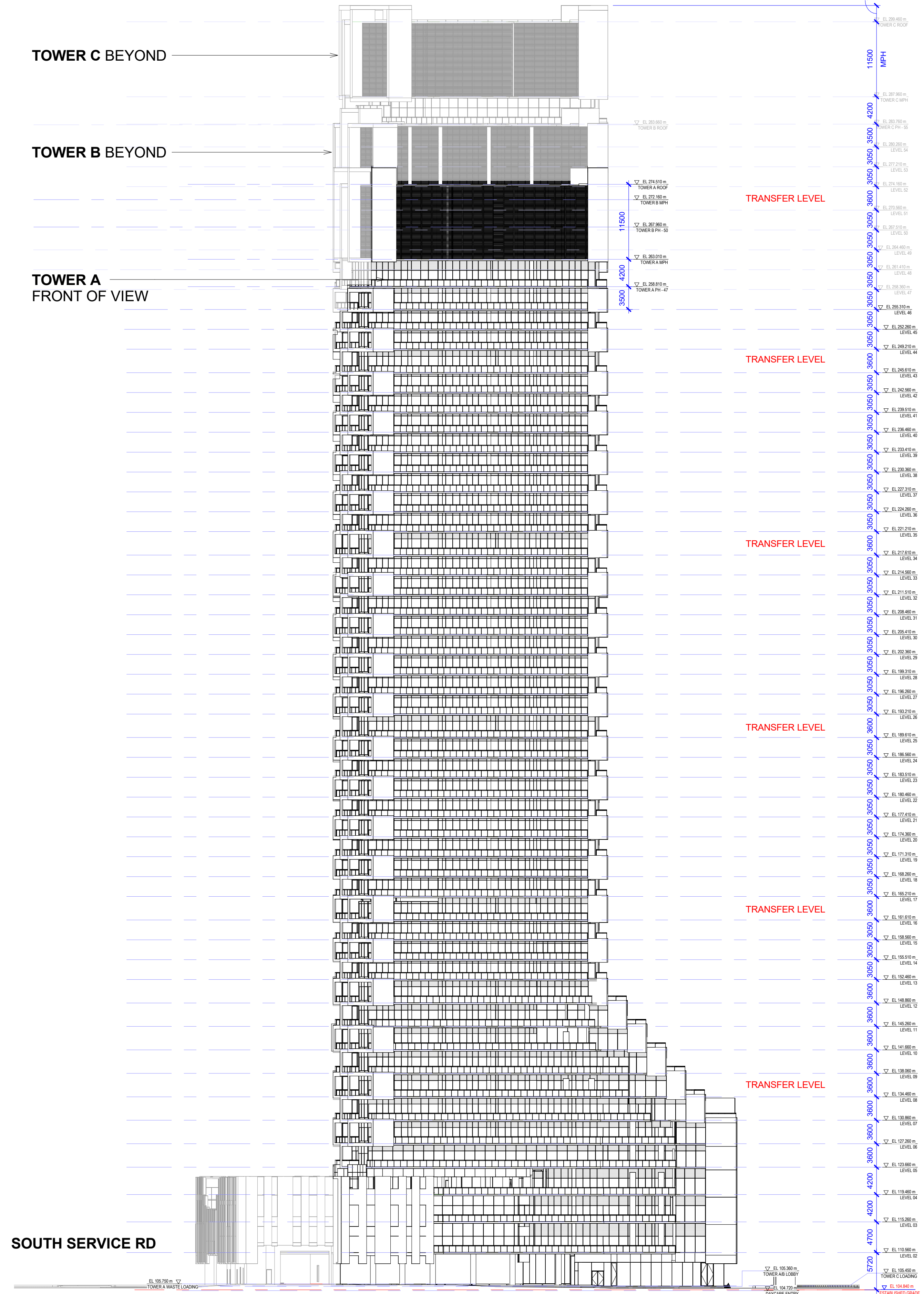
NW AXONOMETRIC 3  
A402



ELEVATION N-E AT SOUTH SERVICE ROAD 5  
1:400 A402



East Elevation 2  
1:400 A402



West Elevation 1  
1:400 A402

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**EAST & WEST ELEVATIONS**

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22-106	1:400 ARCH E
PROJ NO	SCALE
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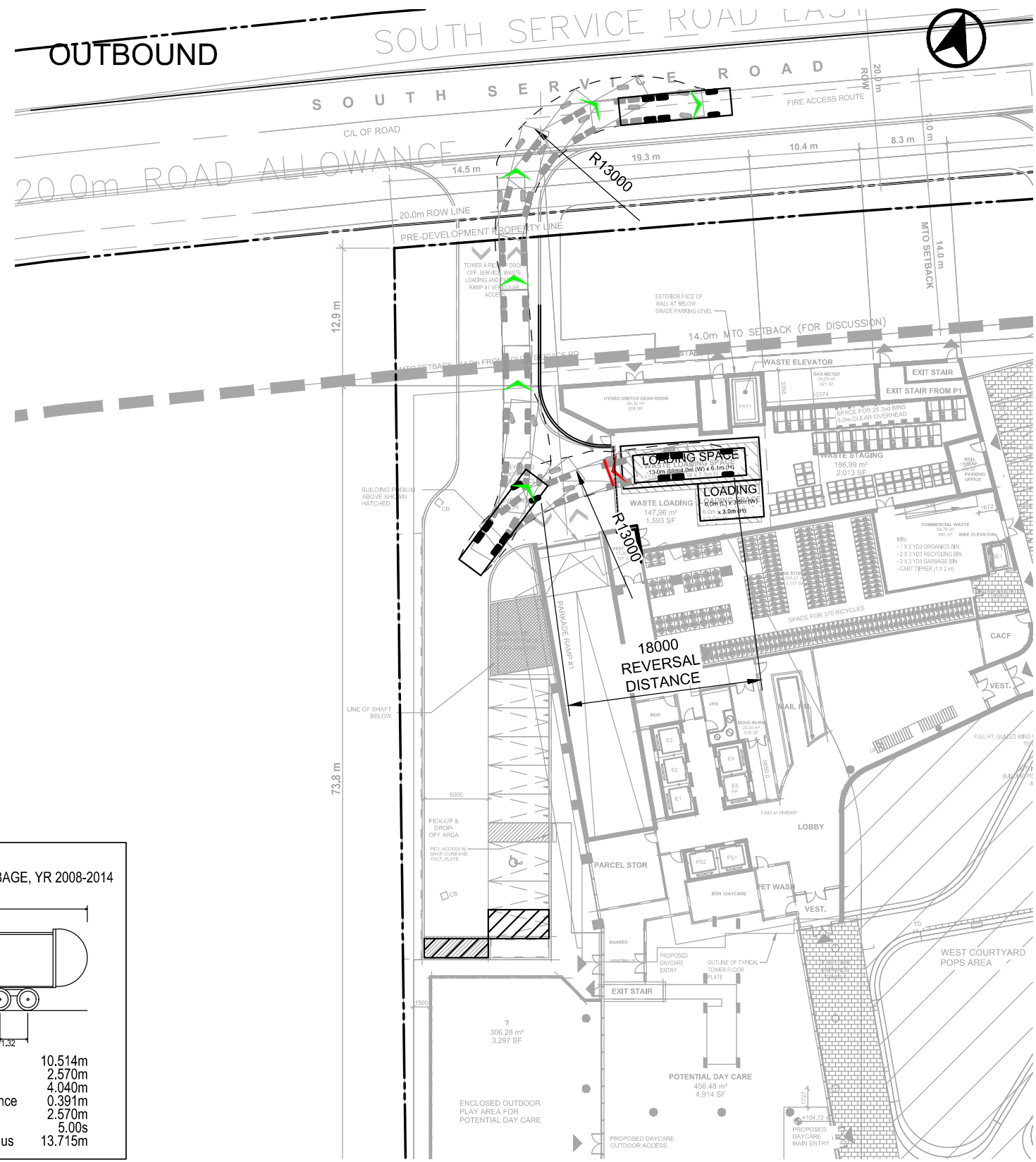
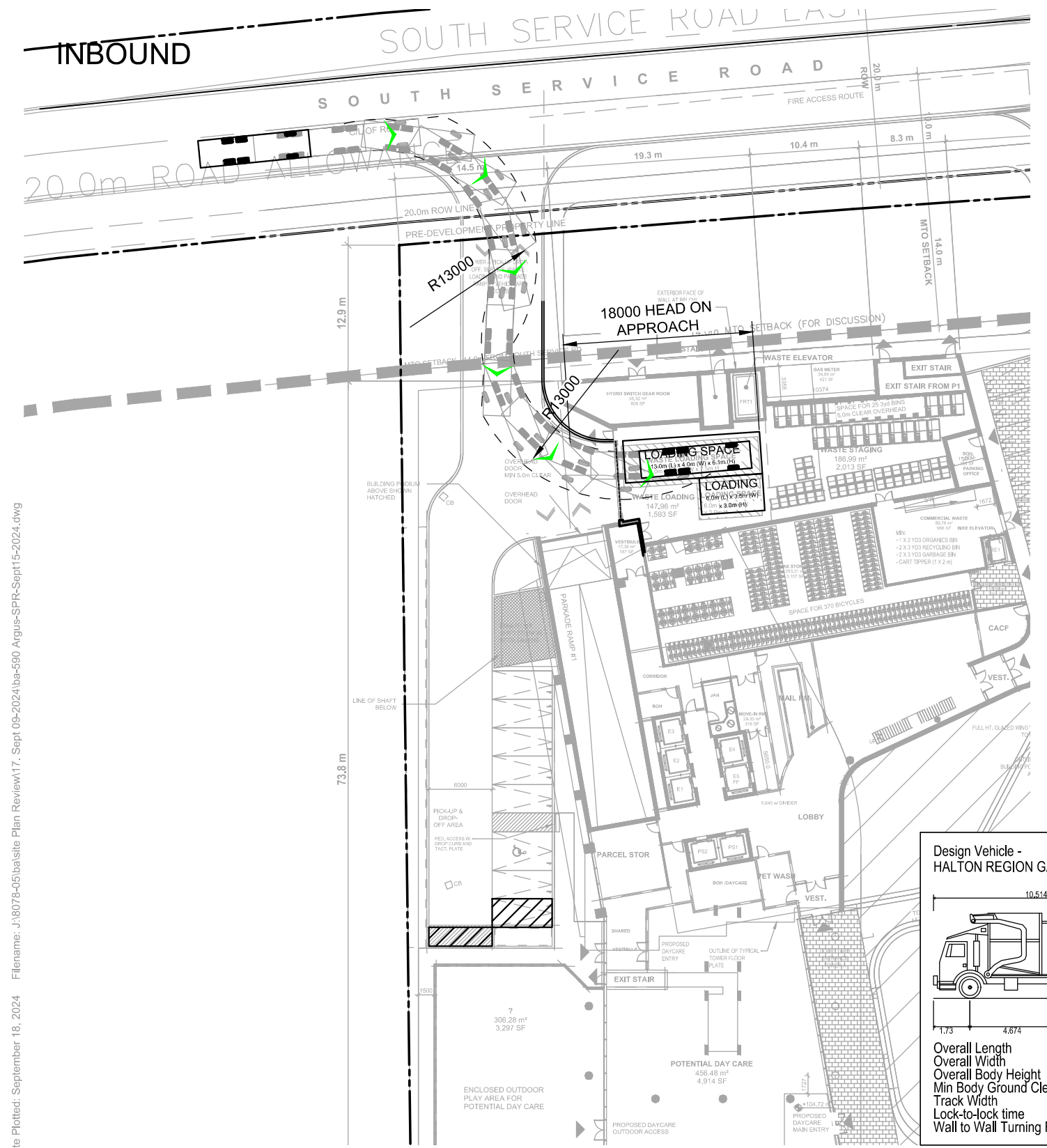
**BURNSIDE**

[ THE DIFFERENCE IS OUR PEOPLE ]

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## Appendix B

### Waste Collection Vehicle Turning Path Analysis



**Design Vehicle - HALTON REGION GARBAGE, YR 2008-2014**

Overall Length	10.514m
Overall Width	2.570m
Overall Body Height	4.040m
Min Body Ground Clearance	0.391m
Track Width	2.570m
Lock-to-lock time	5.00s
Wall to Wall Turning Radius	13.715m

Date Plotted: September 18, 2024 File: J:\8078-05\ba\site Plan Review\17\_Sep109-2024\ba-590 Argus-SPR-Sept15-2024.dwg

	<h3>590 ARGUS</h3> <h4>VEHICLE MANOEUVRING DIAGRAM</h4> <h4>BUILDING A</h4> <h4>HALTON REGION GARBAGE TRUCK</h4>	Project: 590 ARGUS Project No: 8078-05 Date: September 18, 2024 Revised: -	Scale: 1:500 
	Drawing No. <b>VMD-01</b>		

