



# Site Plan Control DESIGN BRIEF

June 20, 2017

Apartment Building 559 Riverdale Avenue Ottawa

# **Property and stakeholders information**

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## **Design brief sheets**

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project

# **Apartment Building**

559 Riverdale Ave Ottawa ON K1S 1S3

14-10

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# General Information

n/a

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**Site Plan Control** 

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2017/06/20

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This DESIGN BRIEF has been prepared in support to a Site Plan Control Application regarding the construction of a Twenty-Two Apartment Building on 590 Kirkwood Avenue Ottawa ON K1Z 5X4

#### City documents

The site is zoned Residential Fourth Density Subzone N (R4P) per City of Ottawa Zoning By-law 2008-250 and is designated General Urban Area per Schedule B of the City of Ottawa Official Plan.

The development complies wih the Official Plan policies as follows:

The infill development meets the City's goal for residential intensification through redeveloping an existing residential property within the urban area (Section 2.2.2 Policy 1a)

The development encourages walkability and safety of pedestrians through creating connectivity between the public sidewalks and building entrances, as well as providing an accessible entrance at the rear of the building for pedestrians coming from Westhaven Crescent. (Section 2.3.1 Policy 7)

Six bicycle parking spaces are proposed at the front door entrance of the building to maintain visibility of bicycles while stored (Section 2.3.1 Policy 13)

The underground parking minimizes the land devoted to parking (Section 2.3.1 Policy 46c)

The property is serviced by municipal water and sewer that have sufficient capacity to service the eleven proposed residential units. (Section 2.3.2 Policy 2)

The development has been designed with a drainage and stormwater management plan which meets the City's water quality and quantity requirements (Section 2.3.3)

The site is designated General Urban Area per the Official Plan. The development meets the intent of this designation through providing diversified housing types within the urban area. The development is considered to be compatible with adjacent land uses and housing types. A range of commercial and recreational uses are offered in proximity to the development site. The development promotes the use of active, public and private modes of transportation and is designed to be accessible. (Section 3.6.1)

The development meets the Urban Design and Compatibility objectives from a planning / architectural perspective. (Section 4.11)

The site is also located within the Special Infill Provision Area; consideration of the Urban Design Guidelines for Low-Medium Density Infill Housing has been carried out during the design of the site and building. The development is considered to meet the design objectives identified within the Guidelines.

## **Site description**

The project site is a rectangular lot of 511m² and is presently occupied by a single detached house. The existing house is meant for demolition. The site's main access is on Riverdale Avenue, an existing collector road per Schedule E of the Official Plan, which is used for both pedestrian and vehicular purposes.

The site is bound by a mix of residential uses; to the south is a low rise apartment building; to the east and north is a planned unit development.

### **Building mass and character**

The development consists of a three storey apartment building with a total building footprint of 218m² and a Gross Floor Area of 1000m². The building is oriented from East to West, with the building entrance on Riverdale Avenue.

A single volume mass is sculpted at the top and bottom to create shadow lines and terraces. The interplay of planes is emphasized by the difference in materials with the main volume clad with light grey metal and the cut-outs clad with masonry. As a result, the metal surface seems to float like a roughly pixelated cloud. The masonry that delineates the exterior spaces provides a warm feel and a more detailed texture and additionally helps the new building blend into its context. Viewed from above, the mezzanine level cut-outs resemble a paper windmill while the slightly angled faces of the building seem to have been shifted by the blowing wind. This impression is emphasized by the pattern of the windows, which are arranged in a staggered in fashion.

The underground parking ramp is located outside the building in order to reduce the first floor mass and to open a view to the depth of the lot. In the front yard, the upper volume projection is aimed to create a protective and welcoming environment for the main entrance.

#### **Outdoor areas**

Except for the garage ramp, the exterior space is dedicated to outdoor amenities and pedestrian / bicycle circulation. The soft landscaping is prevalent in front and back yards.

Protected from the elements by the cantelivered part of the building over the southern side yard, the bicycle parking area is also located close to the secondary building acces.

Outdoor seating is strategically located in the front and rear yards to encourage interaction of residents and oversight of the street.

## **Building functionality**

Inside the building, at each of the three floors above grade, the apartments are set along a central corridor. The apartment sizes vary from studios to large 2 bedroom units. The uppermost units have two levels and access to private terraces on the mezzanine. All units benefit from excellent day lighting through generous windows. The main entrance is endowed with a lifting platform that provides access at the first floor to people using wheelchairs. Three of the apartments on the first floor are fully accessible per the Ontario Building Code.

Six parking spaces are located in the basement along with all of the technical rooms.

The waste collection area is situated towards the back of the garage ramp. Along with the temporary storage pad, the waste management of the development meets the requirements of the Solid Waste Collection Design Guidelines for Multi-Unit Residential Development.

#### Construction

The building structure is mainly wood framing combined with cast-in-place concrete for the basement level and steel members for the upper floors.

#### Conclusion

The project responds to its neighborhood by proposing a good quality development, in terms of functionality and architecture, that is highly compatible with the surrounding properties. Moreover, the development enhances the urban side of Rivedale Avenue with a clean and contemporary design.

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1 2016/10/20 Site Plan Control REV.1

project

# **Apartment Building**

559 Riverdale Ave Ottawa ON K1S 1S3

reference 14-10

title

# Project Description

n/a

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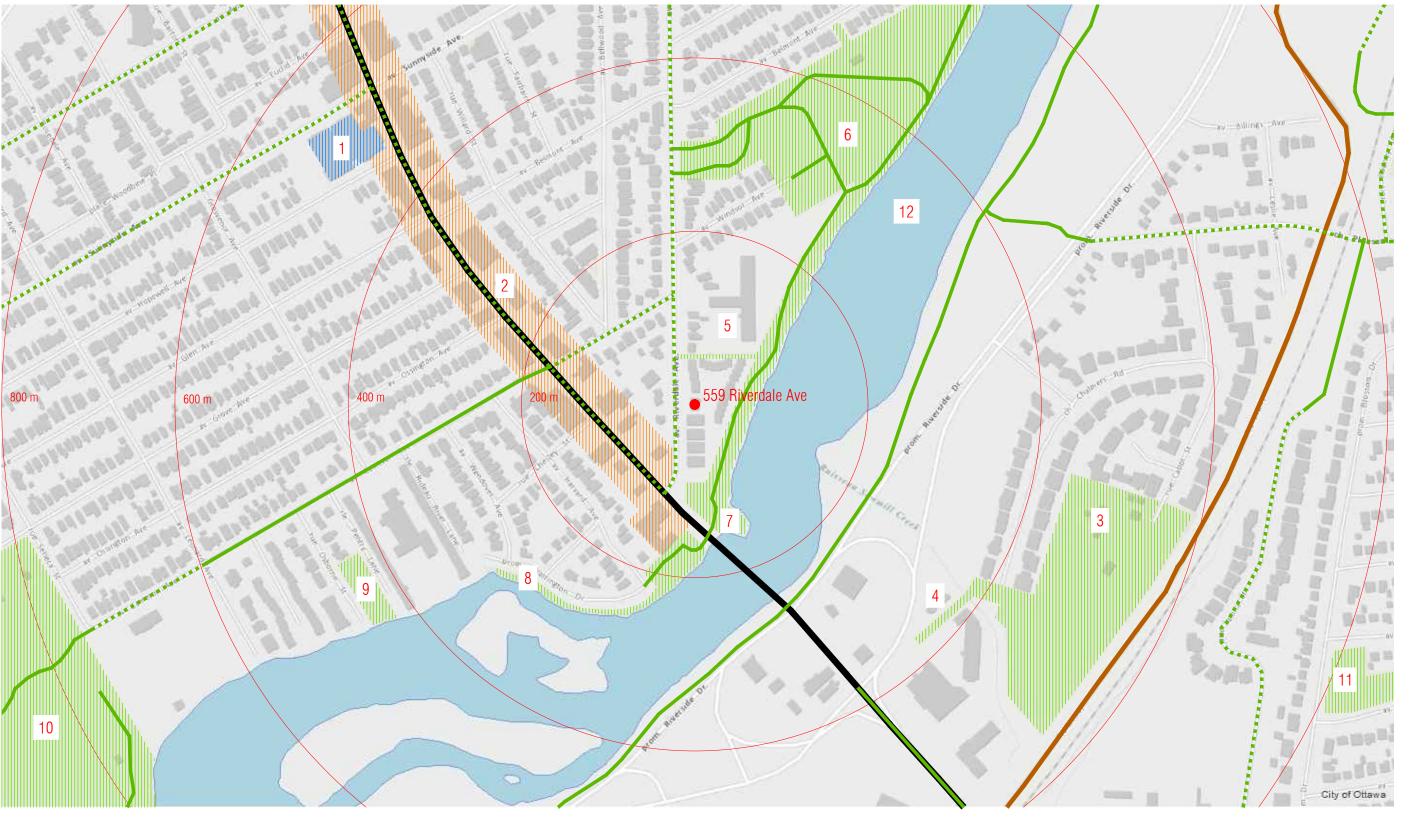
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The project is located in Old Ottawa South neighbourhood, which is nested between the Rideau Canal and the Rideau River, as north-south limits, and Avenue Road and Carleton University in east-west direction.

Mainly residential, the neighbourhood displays a mature appearance due to its buildings architecture and full-grown trees. Beside an exceptional natural setting, the neighbourhood is crossed by Bank Street, with its particular flavor, and benefits of the proximity to Carleton University.

The project site is close to the southern end of Riverdale Avenue, where this one meets Bank Street before crossing the Rideau River.

The site is closely surrounded by the main features of the neighbourhood: nature, residential and commercial. In adition, gravitates around a fourth one, the Carleton University Campus.

Riverdale Avenue has access to Ottawa downtown and Highway 417 by Main Street at the northern end and Bank Street at the southern end. Passed the Bank Street bridge over the Rideau River, the site can access further destinations either in south, east or west directions.

Within walking distance the project site has access to a large number of commercial destinations (stores, restaurants, services, etc) located on Bank Street. Equally close, the parks along Rideau River offer both walking and biking opportunities to the tuture building occupants. The larger parks (Brewer, Windsor Park Ottawa, etc.) provide several other activities and sports facilities. Located at less than 2km from the site, the Carleton University has a dynamic influence over the entire area.

#### Legend

- 1 Hopewell Avenue Public School
- 2 Bank Street Commercial Area
- 3 Billings Estate Museum
- 4 Dr. Ernest Couture Day Care Centre
- 5 Lexington Green Life Garden
- 6 Windsor Park Ottawa
- 7 Linda Thom Park
- 8 Parkland
- 9 Osborne Park

- 10 Brewer Park
- 11 Applewood Park
- 12 Rideau River

Bank Street

OC Transitway

Bicyle Path / Lane

Sugested Cycling Route

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# **Apartment Building**

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# Contextual Analysis

Site Plan Control

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### **Project Area**

The project benefits of an enviable location. Three distinct elements converge in the site's vicinity: Rideau River, Bank Street and the residential pattern of Old Ottawa South.

Riverdale Avenue, which is part of Old Ottawa South, has a strong residential character. Most of the buildings are one or two storeys high. They range from multi-unit apartment buildings to single family

Not far from there, Bank Street displays a lively and colourful looking streetscape due to its various commercial functions, which include stores, restaurants and services, as well as the mix of building styles.

South of the site flows the Rideau River which not only stands for a great natural feature, visually speaking, but also invites to interesting leisure activities through the parks network that range on both shores.

The three features are completed by old trees, which emblematic of mature neighbourhoods.

All these elements create a unique urban setting that is well connected to the rest of the City by the means of public transportation and routes

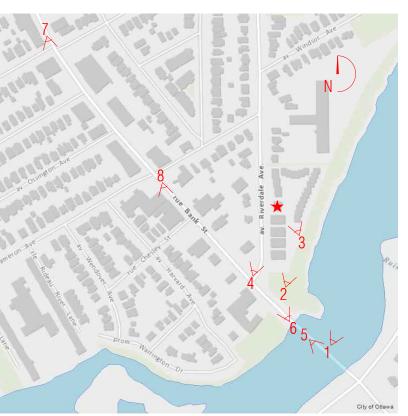




photo key plan









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14-10

**Projet Area** 

n/a

2015/04/11









# **Projet Site & Adjoining Buildings**

563 / 565 / 571 / 573 Riverdale Ave.

559 Riverdale Ave. (actual project site)

551 Riverdale Ave.

517 / 515 Riverdale Ave.

522 Riverdale Ave.

530 / 532 Riverdale Ave.

556 Riverdale Ave.

1305 Bank St.

photo key plan











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# **Apartment Building**

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14-10

**Projet Site & Adjoining Bldgs** 

n/a

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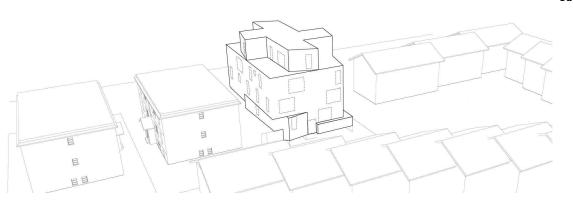


Street view from N-W



Ouest elevation / main entrance

Bird-eye view from S-E



Bird-eye view from S-W

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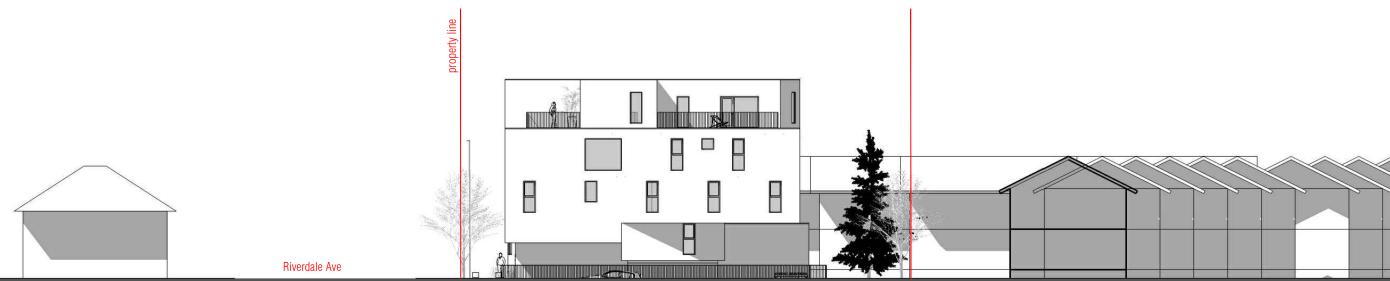
# **Proposed Building**

n/a



## **West Elevation**

1:250



## **South Elevation**

1:250

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# General **Elevations**

1:250

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CITY OF OTTAWA						
ZONING BY-LAW NO 2008-250						
SECTION	ZONE PROVISION		PROPOSED	EXCEPTION		
161-162 (R4P)	Principal dwelling type	Apartment dwelling, low rise, Stacked	Idem	No		
161-162 (R4P)	Minimum Lot Width (m)	15.0	16.7	No		
161-162 (R4P)	Minimum Lot Area (m2)		511.0	No		
161-162 (R4P) 161-162 (R4P)	Maximum Building Height (m)  Minimum Front Yard Setback	14.5 3.0	13.5 3.0	No No		
101-102 (1141 )	Willillian Front faid Selback	Endnote 3:	3.0	INO		
161-162 (R4P)	Minimum Rear Yard Setback (m)	The minimum required rear yard setback is equal to 25% of the lot depth but need not exceed 7.5 metres. Notwithstanding the foregoing, where the rear lot line abuts the interior side lot line of an abutting lot, the minimum required rear yard setback is equal to the minimum required interior side yard setback of the abutting lot along each point of the shared lot line (7.5m in this instance)	6.9	0.6m reduction		
161-162 (R4P)	Minimum Interior Side Yard Setback (m)	Endnote 3: For any part of a building located within 21 metres of a front lot line the minimum required interior side yard setback is as follows:  (a) Where the building wall is equal to or less than 11m in height: 1.5m; (b) Where the building wall is greater than 11 m in height: 2.5m In all other circumstances the minimum required interior side yard setback is 6m.	1.5m North Interior Side Yard 2.0m South Interior Side Yard	1m on North and 0.5m on South Interior Side Yard within 21 metres of front lot line 4.5 metres on North and 3.5 on South Interior Side Yard beyond 21m (at rear)		
		GENERAL PROVISIONS				
SECTION	ZONE PROVISION	REQUIRED	PROPOSED	EXCEPTION		
100 (6)	General Parking Provisions	All motor vehicle parking spaces, queuing and loading spaces and aisles and driveways leading to those spaces must have a surface which is:  (a) hard, stable and dust preventative	Concrete	No		
101 (1)	Minimum Parking Spaces Rates	Off-street motor vehicle parking must be provided for any land use at the rate set out in Table 101. In addition, visitor parking must be provided in accorance with Section 102.	Underground parking	No		
101(6)		Despite subsection (1), where all parking spaces provided or required for a permitted land use are located below grade in the same building as that land use, the parking required by Table 101 for that land use may be reduced by 10% to a maximum of 20 spaces. (reduction of 1 space permitted)		No		
Table 101(b) III (ii)	Residential - Apartment building, low rise	0.5 per dwelling unit = 6 spaces	6	No		
	Minimum visitor parking spaces for Area B on schedule 1	0.5 per dwelling unit = 6 spaces  0 - 12 units: 0 spaces	6 None	No No		
	Minimum visitor parking spaces for Area B on schedule 1 none for first 12 units;		None			
Table 102 (a) III (ii)	Minimum visitor parking spaces for Area B on schedule 1 none for first 12 units; 0.2 per dwelling unit for next 300 dwellings;	0 - 12 units: 0 spaces	None 3 spaces of 2.6x4.6m,1 space of 2.8x4.6m,	3 spaces of 2.6x4.6m and 1 space of 2.8x4.6m		
Table 102 (a) III (ii)  106 (1)  107 (1)(a)i / Table 107 I (d)	Minimum visitor parking spaces for Area B on schedule 1 none for first 12 units; 0.2 per dwelling unit for next 300 dwellings;  Parking space for motor vehicle	0 - 12 units: 0 spaces  2.6m (min) x 5.2m (min)  A driveway providing access to a parking lot or parking garage must have a minimum width of three metres for a single traffic lane;	None  3 spaces of 2.6x4.6m,1 space of 2.8x4.6m, 1 spaces of 2.6x5.2m and 1 space of 2.8x5.2m	3 spaces of 2.6x4.6m and 1 space of 2.8x4.6m		
Table 102 (a) III (ii)  106 (1)  107 (1)(a)i / Table 107 I (d)	Minimum visitor parking spaces for Area B on schedule 1 none for first 12 units; 0.2 per dwelling unit for next 300 dwellings;  Parking space for motor vehicle  Aisle and Driveway provisions	0 - 12 units: 0 spaces  2.6m (min) x 5.2m (min)  A driveway providing access to a parking lot or parking garage must have a minimum width of three metres for a single traffic lane;  Angle of Parking=71-90 degrees / Minimum Required Aisle Width (6.7m);  All driveways and aisles providing access to or located within () parking garage must have a minimum vertical clearance clear of obstructions such as signs and other	None  3 spaces of 2.6x4.6m,1 space of 2.8x4.6m, 1 spaces of 2.6x5.2m and 1 space of 2.8x5.2m  3.6m for driveway; 6.7m for aisle of parking garage  Minimum 2m as per 3.3.5.4 (5) Repair and storage garages in the Building Code	No 3 spaces of 2.6x4.6m and 1 space of 2.8x4.6m No		
Table 102 (a) III (ii)  106 (1)  107 (1)(a)i / Table 107 I (d)  107 (1)(b)ii  108 (1)(b)	Minimum visitor parking spaces for Area B on schedule 1 none for first 12 units; 0.2 per dwelling unit for next 300 dwellings;  Parking space for motor vehicle  Aisle and Driveway provisions  Minimum vertical clearance for parking garage	0 - 12 units: 0 spaces  2.6m (min) x 5.2m (min)  A driveway providing access to a parking lot or parking garage must have a minimum width of three metres for a single traffic lane;  Angle of Parking=71-90 degrees / Minimum Required Aisle Width (6.7m);  All driveways and aisles providing access to or located within () parking garage must have a minimum vertical clearance clear of obstructions such as signs and other structures () in accordance with the Building Code, as amended	None  3 spaces of 2.6x4.6m,1 space of 2.8x4.6m, 1 spaces of 2.6x5.2m and 1 space of 2.8x5.2m  3.6m for driveway; 6.7m for aisle of parking garage  Minimum 2m as per 3.3.5.4 (5) Repair and storage garages in the Building Code	No  3 spaces of 2.6x4.6m and 1 space of 2.8x4.6m  No		
Table 102 (a) III (ii)  106 (1)  107 (1)(a)i / Table 107 I (d)  107 (1)(b)ii  108 (1)(b)	Minimum visitor parking spaces for Area B on schedule 1 none for first 12 units; 0.2 per dwelling unit for next 300 dwellings;  Parking space for motor vehicle  Aisle and Driveway provisions  Minimum vertical clearance for parking garage  Gradient of Driveway leading into garage	0 - 12 units: 0 spaces  2.6m (min) x 5.2m (min)  A driveway providing access to a parking lot or parking garage must have a minimum width of three metres for a single traffic lane; Angle of Parking=71-90 degrees / Minimum Required Aisle Width (6.7m);  All driveways and aisles providing access to or located within () parking garage must have a minimum vertical clearance clear of obstructions such as signs and other structures () in accordance with the Building Code, as amended  Must not exceed that specified in City of Ottawa Private Approach By-law	None  3 spaces of 2.6x4.6m,1 space of 2.8x4.6m, 1 spaces of 2.6x5.2m and 1 space of 2.8x5.2m  3.6m for driveway; 6.7m for aisle of parking garage  Minimum 2m as per 3.3.5.4 (5) Repair and storage garages in the Building Code	No  3 spaces of 2.6x4.6m and 1 space of 2.8x4.6m  No  No		
Table 102 (a) III (ii)  106 (1)  107 (1)(a)i / Table 107 I (d)  107 (1)(b)ii  108 (1)(b)  Table 111A	Minimum visitor parking spaces for Area B on schedule 1 none for first 12 units; 0.2 per dwelling unit for next 300 dwellings;  Parking space for motor vehicle  Aisle and Driveway provisions  Minimum vertical clearance for parking garage  Gradient of Driveway leading into garage  Bicycle Parking Space for Apartment building, low rise	0 - 12 units: 0 spaces  2.6m (min) x 5.2m (min)  A driveway providing access to a parking lot or parking garage must have a minimum width of three metres for a single traffic lane;  Angle of Parking=71-90 degrees / Minimum Required Aisle Width (6.7m);  All driveways and aisles providing access to or located within () parking garage must have a minimum vertical clearance clear of obstructions such as signs and other structures () in accordance with the Building Code, as amended  Must not exceed that specified in City of Ottawa Private Approach By-law  0.5 spaces per dwelling = 6  0.6m (min) x 1.8m (min)  1.5m	None  3 spaces of 2.6x4.6m,1 space of 2.8x4.6m, 1 spaces of 2.6x5.2m and 1 space of 2.8x5.2m  3.6m for driveway; 6.7m for aisle of parking garage  Minimum 2m as per 3.3.5.4 (5) Repair and storage garages in the Building Code	No  3 spaces of 2.6x4.6m and 1 space of 2.8x4.6m  No  No  No		
Table 102 (a) III (ii)  106 (1)  107 (1)(a)i / Table 107 I (d)  107 (1)(b)ii  108 (1)(b)  Table 111A  Table 111B	Minimum visitor parking spaces for Area B on schedule 1 none for first 12 units; 0.2 per dwelling unit for next 300 dwellings;  Parking space for motor vehicle  Aisle and Driveway provisions  Minimum vertical clearance for parking garage  Gradient of Driveway leading into garage  Bicycle Parking Space for Apartment building, low rise  Minimum Bicycle Parking Space Dimensions - horizontal	0 - 12 units: 0 spaces  2.6m (min) x 5.2m (min)  A driveway providing access to a parking lot or parking garage must have a minimum width of three metres for a single traffic lane; Angle of Parking=71-90 degrees / Minimum Required Aisle Width (6.7m);  All driveways and aisles providing access to or located within () parking garage must have a minimum vertical clearance clear of obstructions such as signs and other structures () in accordance with the Building Code, as amended  Must not exceed that specified in City of Ottawa Private Approach By-law  0.5 spaces per dwelling = 6  0.6m (min) x 1.8m (min)	None  3 spaces of 2.6x4.6m,1 space of 2.8x4.6m, 1 spaces of 2.6x5.2m and 1 space of 2.8x5.2m  3.6m for driveway; 6.7m for aisle of parking garage  Minimum 2m as per 3.3.5.4 (5) Repair and storage garages in the Building Code  12%  6  0.6m x 1.8m	No 3 spaces of 2.6x4.6m and 1 space of 2.8x4.6m  No  No  No  No  No		
Table 102 (a) III (ii)  106 (1)  107 (1)(a)i / Table 107 I (d)  107 (1)(b)ii  108 (1)(b)  Table 111A  Table 111B  111 (9)	Minimum visitor parking spaces for Area B on schedule 1 none for first 12 units; 0.2 per dwelling unit for next 300 dwellings;  Parking space for motor vehicle  Aisle and Driveway provisions  Minimum vertical clearance for parking garage  Gradient of Driveway leading into garage  Bicycle Parking Space for Apartment building, low rise  Minimum Bicycle Parking Space Dimensions - horizontal  Minimum Bicyle Access Aisle	2.6m (min) x 5.2m (min)  A driveway providing access to a parking lot or parking garage must have a minimum width of three metres for a single traffic lane;  Angle of Parking=71-90 degrees / Minimum Required Aisle Width (6.7m);  All driveways and aisles providing access to or located within () parking garage must have a minimum vertical clearance clear of obstructions such as signs and other structures () in accordance with the Building Code, as amended  Must not exceed that specified in City of Ottawa Private Approach By-law  0.5 spaces per dwelling = 6  0.6m (min) x 1.8m (min)  1.5m  Outdoor amenity space area must not be located in a required front or cornder side yard	None  3 spaces of 2.6x4.6m,1 space of 2.8x4.6m, 1 spaces of 2.6x5.2m and 1 space of 2.8x5.2m  3.6m for driveway; 6.7m for aisle of parking garage  Minimum 2m as per 3.3.5.4 (5) Repair and storage garages in the Building Code  12%  6  0.6m x 1.8m  1.5m  Rear Yard and mezzanine level  Communal amenity area  113.5m² in the Rear Yard (for the first 8 units)	No  3 spaces of 2.6x4.6m and 1 space of 2.8x4.6m  No  No  No  No  No  No  No		

SITE STATISTICS			
Lot Area	511m²		
Building Footprint Area	218.3m²		
Building Footprint % lot	42%		
Total Gross Floor Area	1000.3m <sup>2</sup>		
Basement Gr. Floor Area	218.3m <sup>2</sup>		
1st level Gross Floor Area	219.6		
2nd level Gross Floor Area	243.8m <sup>2</sup>		
3rd level Gross Floor Area	243.8m <sup>2</sup>		
Mezzanine Level	74.8m <sup>2</sup>		
Hard Lanscaping	55.6m <sup>2</sup>		
Soft Landscaping	148.4m <sup>2</sup>		
TOTAL LANDSCAPING	204.0m <sup>2</sup>		
Total Landscaping % lot	40%		

## NOTES:

Property boundary information was derived from a Annis O'Sullivan Vollebekk Ltd. field survey, completed December 18th, 2014

SITE STATISTICS			
Lot Area	511m²		
Building Footprint Area	218.3m²		
Building Footprint % lot	42%		
Total Gross Floor Area	1000.3m <sup>2</sup>		
Basement Gr. Floor Area	218.3m <sup>2</sup>		
1st level Gross Floor Area	219.6		
2nd level Gross Floor Area	243.8m <sup>2</sup>		
3rd level Gross Floor Area	243.8m <sup>2</sup>		
Mezzanine Level	74.8m <sup>2</sup>		
Hard Lanscaping	55.6m <sup>2</sup>		
Soft Landscaping	148.4m <sup>2</sup>		
TOTAL LANDSCAPING	204.0m <sup>2</sup>		

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rev	risions			
0 2016/04/11		Site Plan Control		
1	2016/10/20	Site Plan Control REV 1	_	

# **Apartment Building**

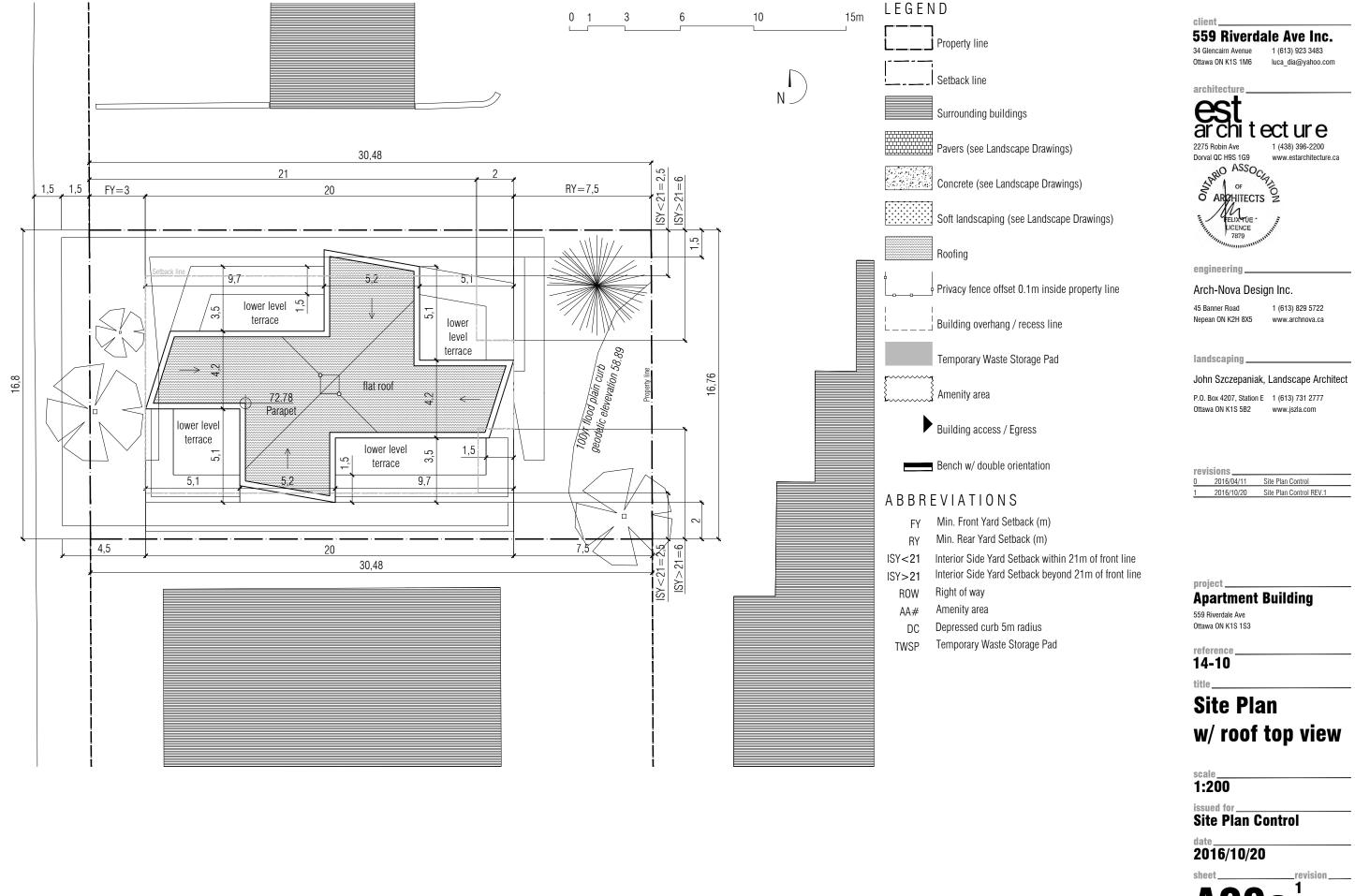
559 Riverdale Ave Ottawa ON K1S 1S3

reference. 14-10

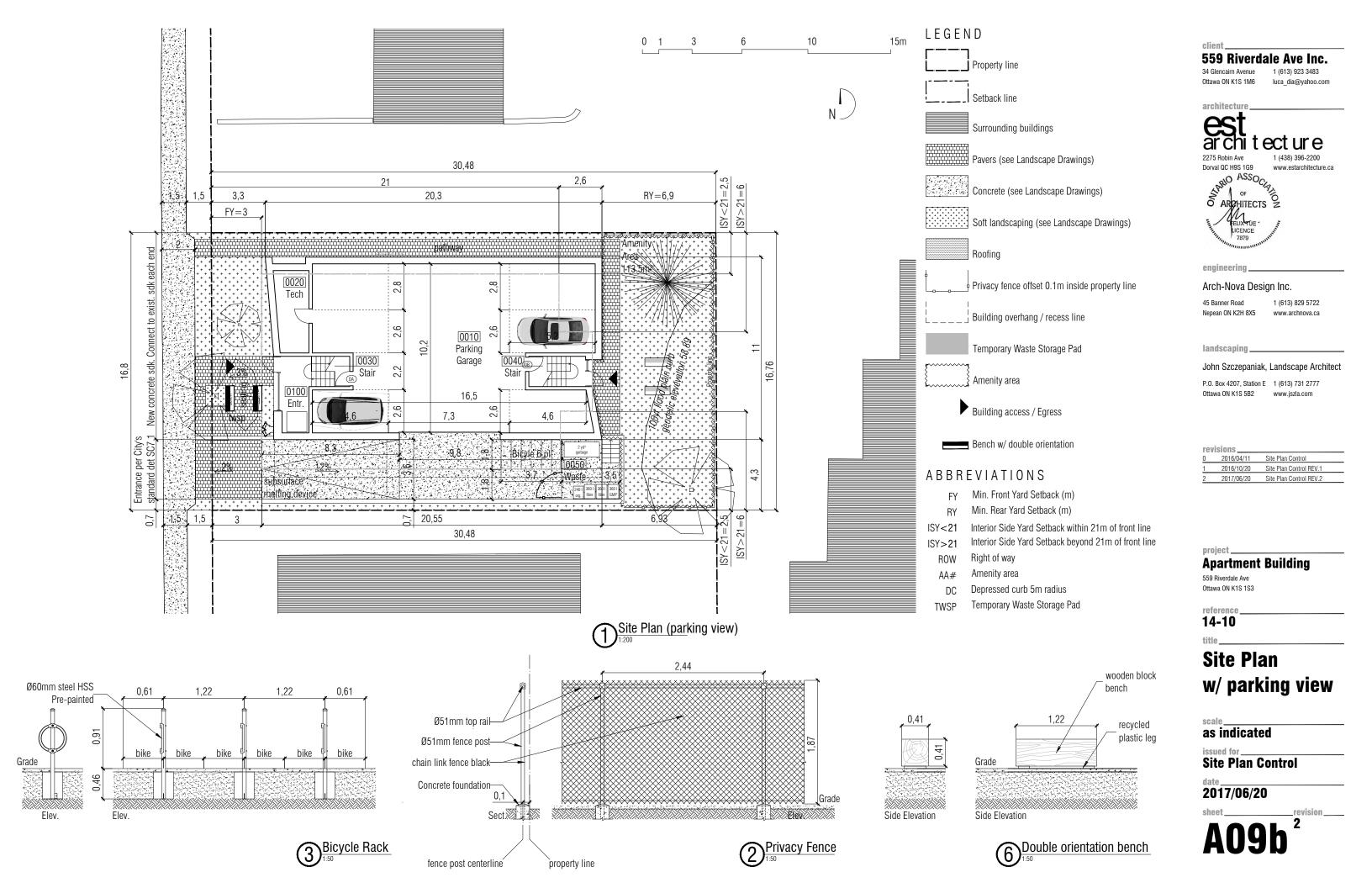
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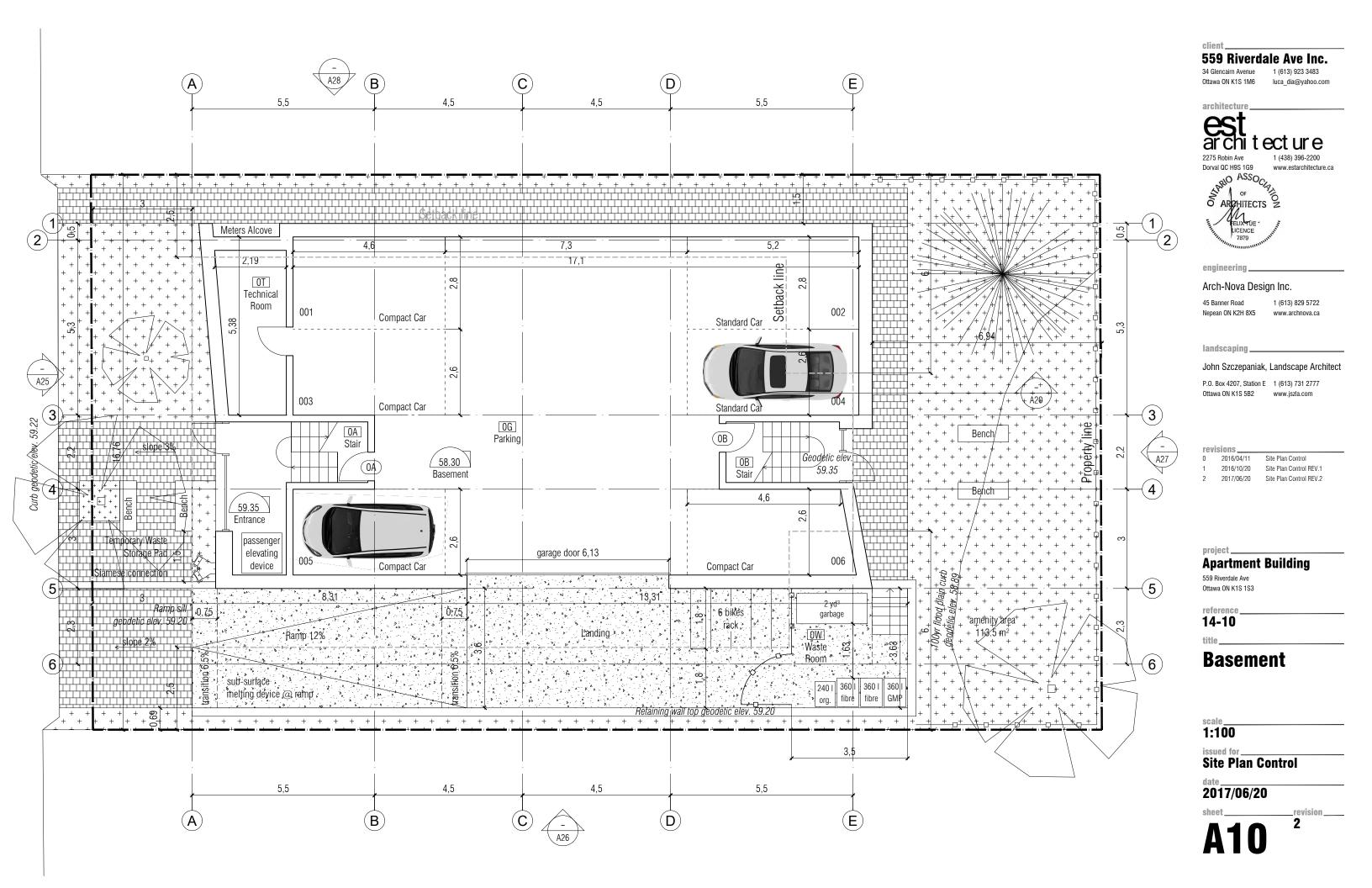
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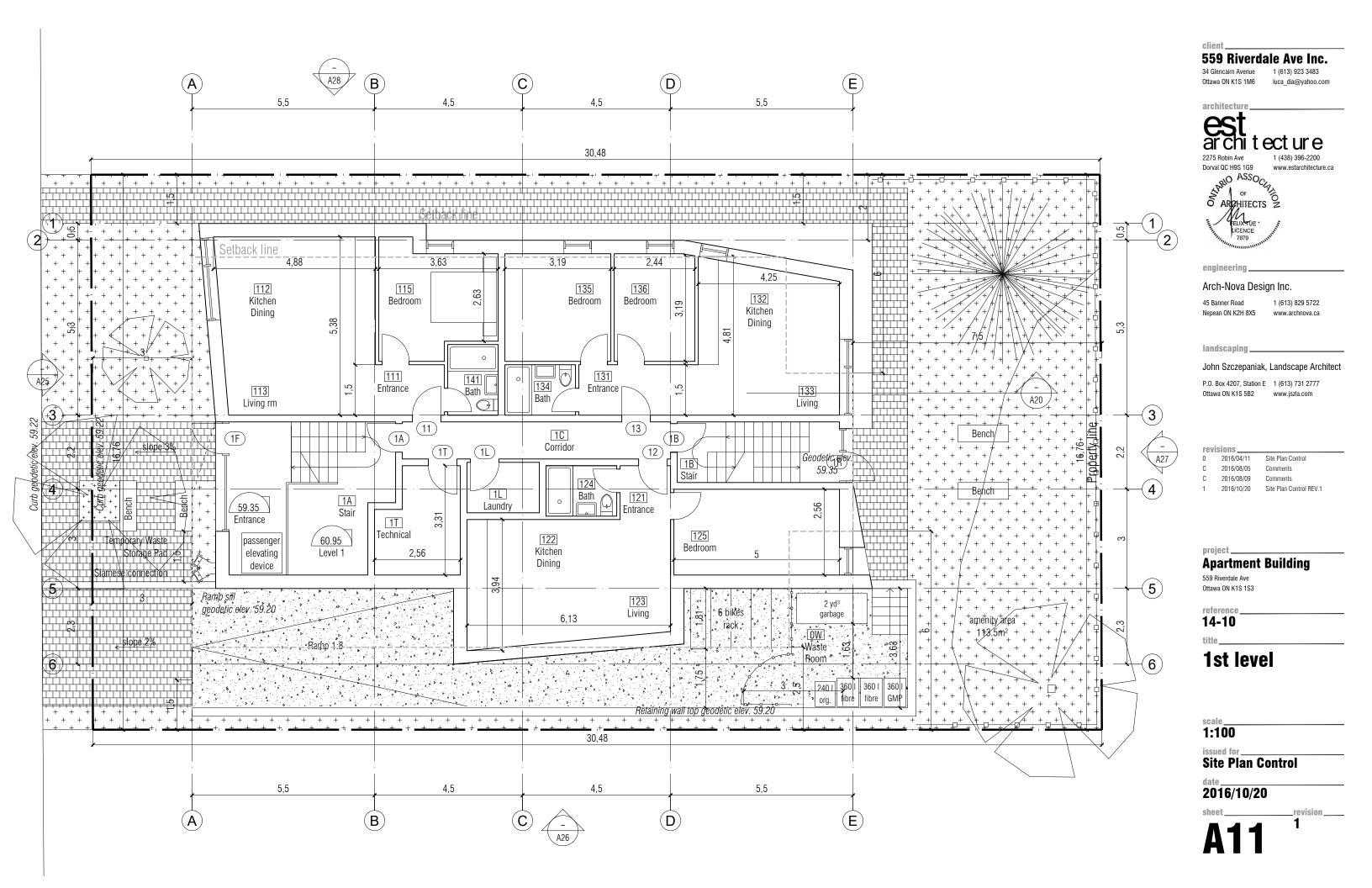
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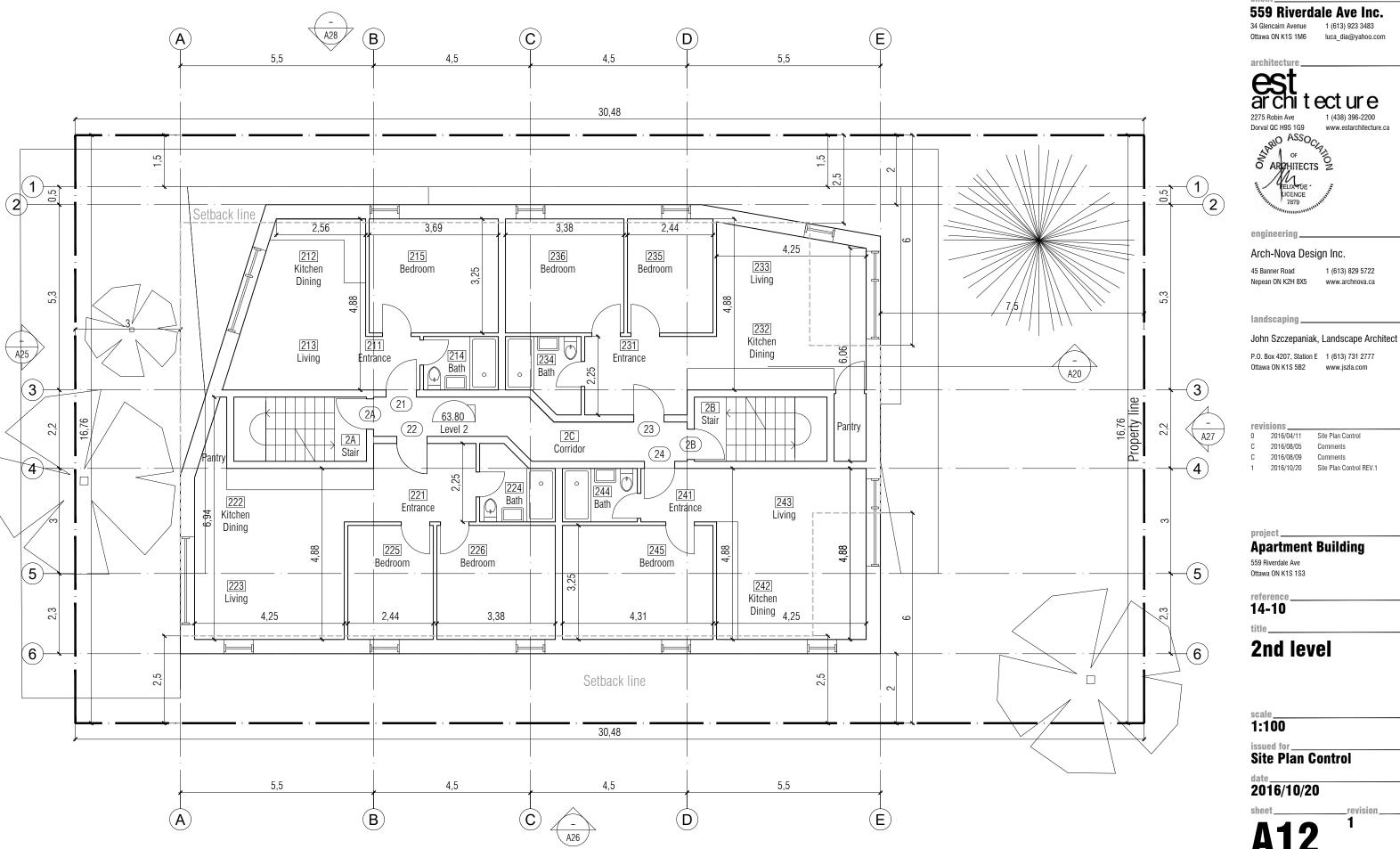


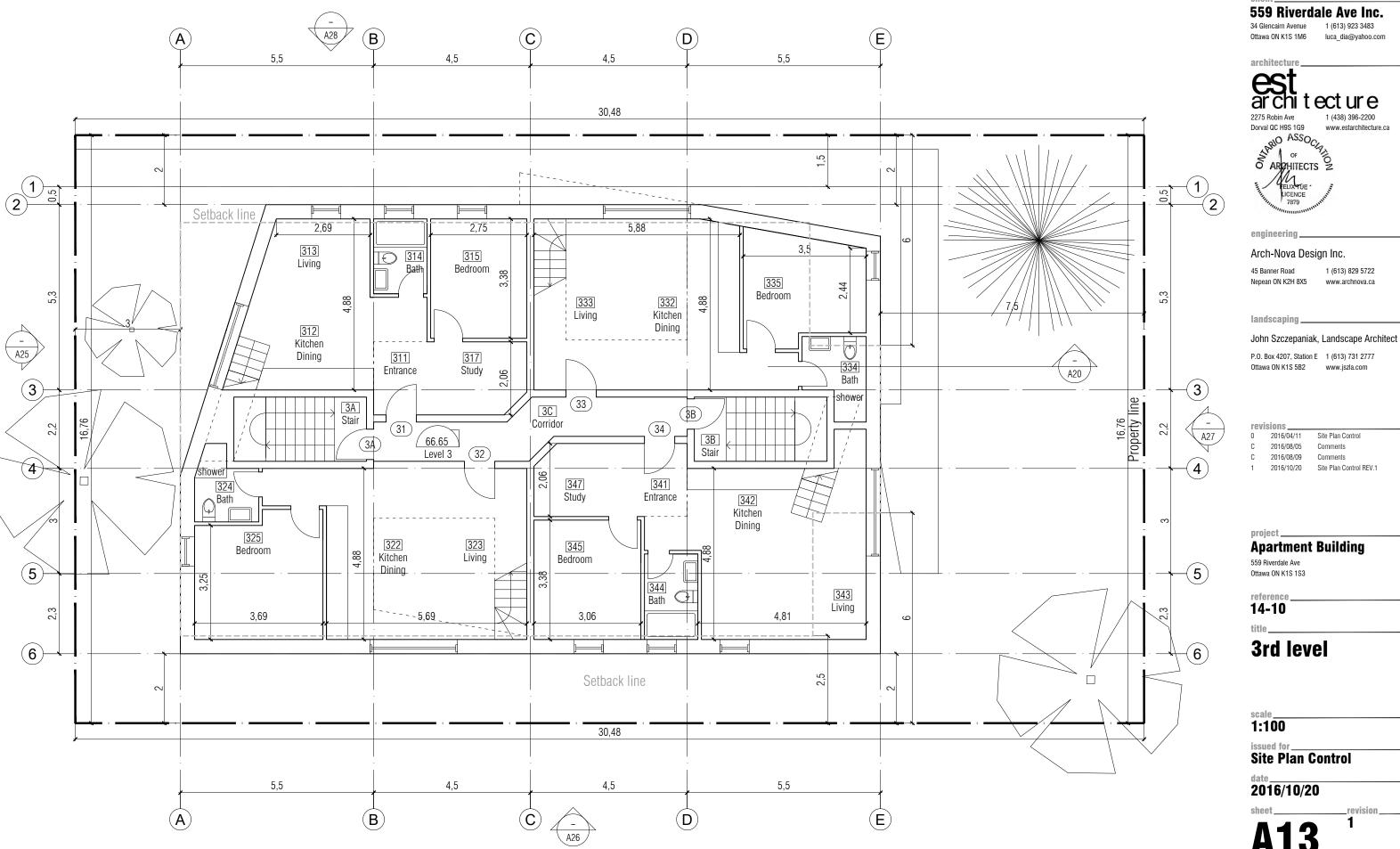
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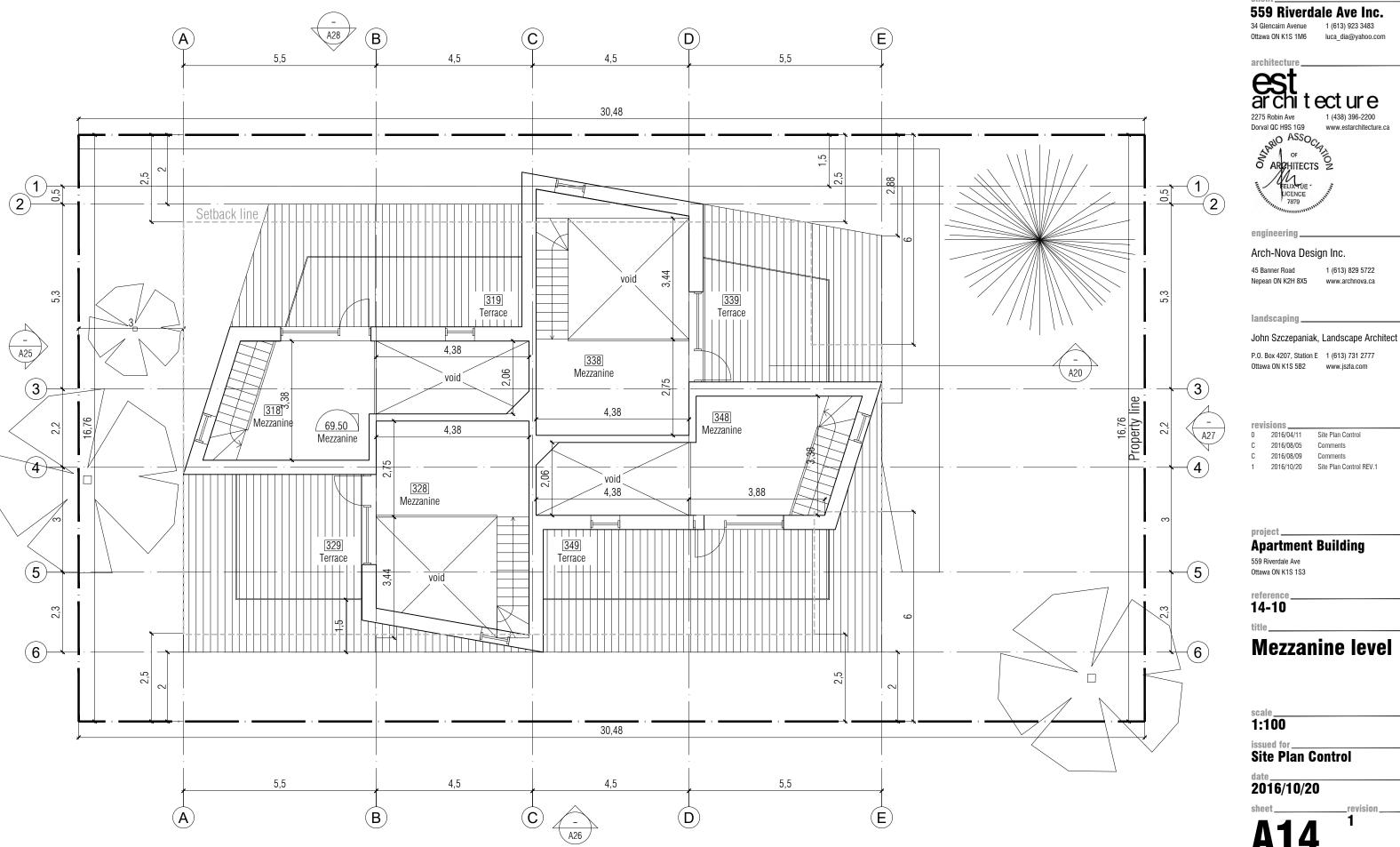


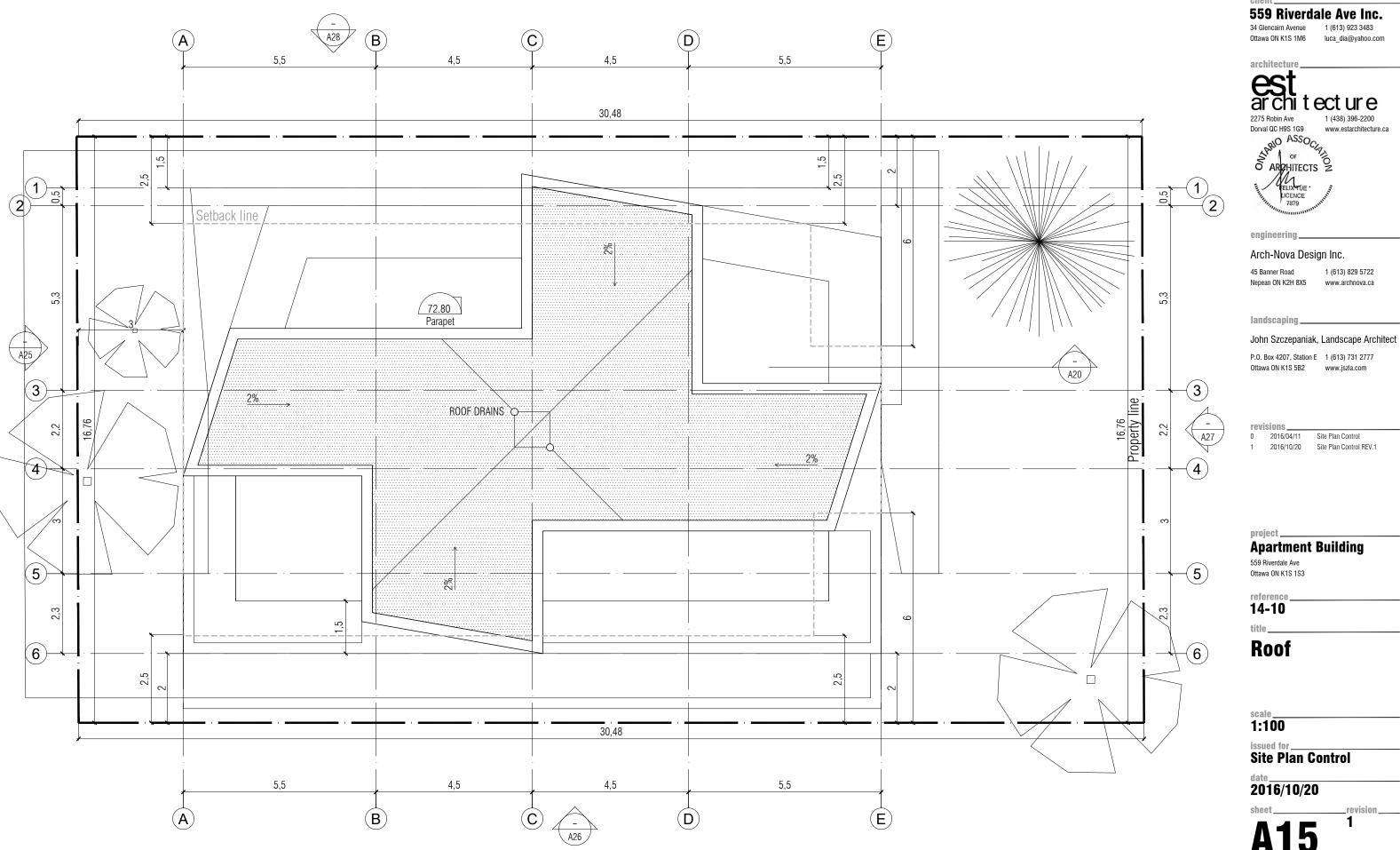


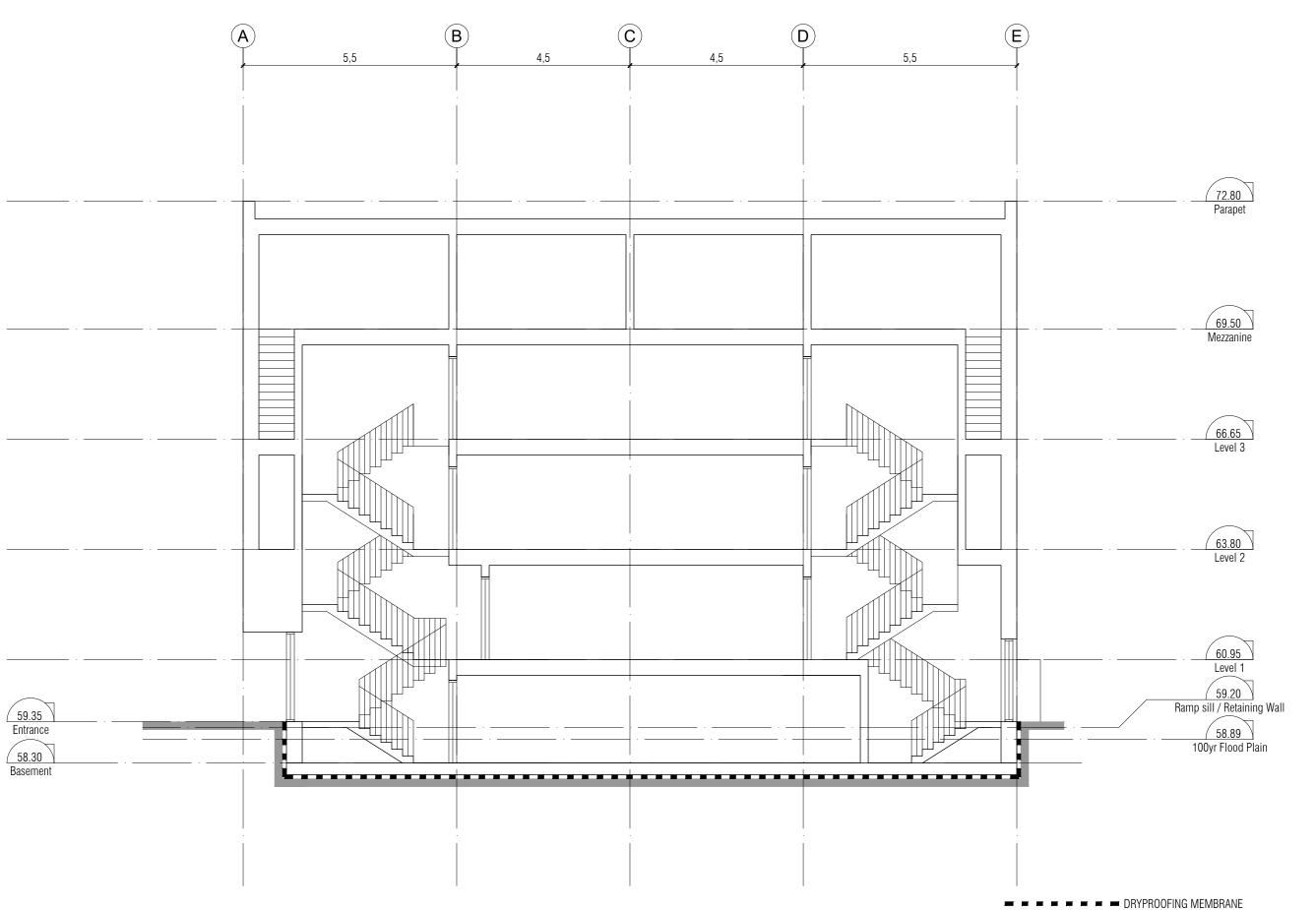












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reference.

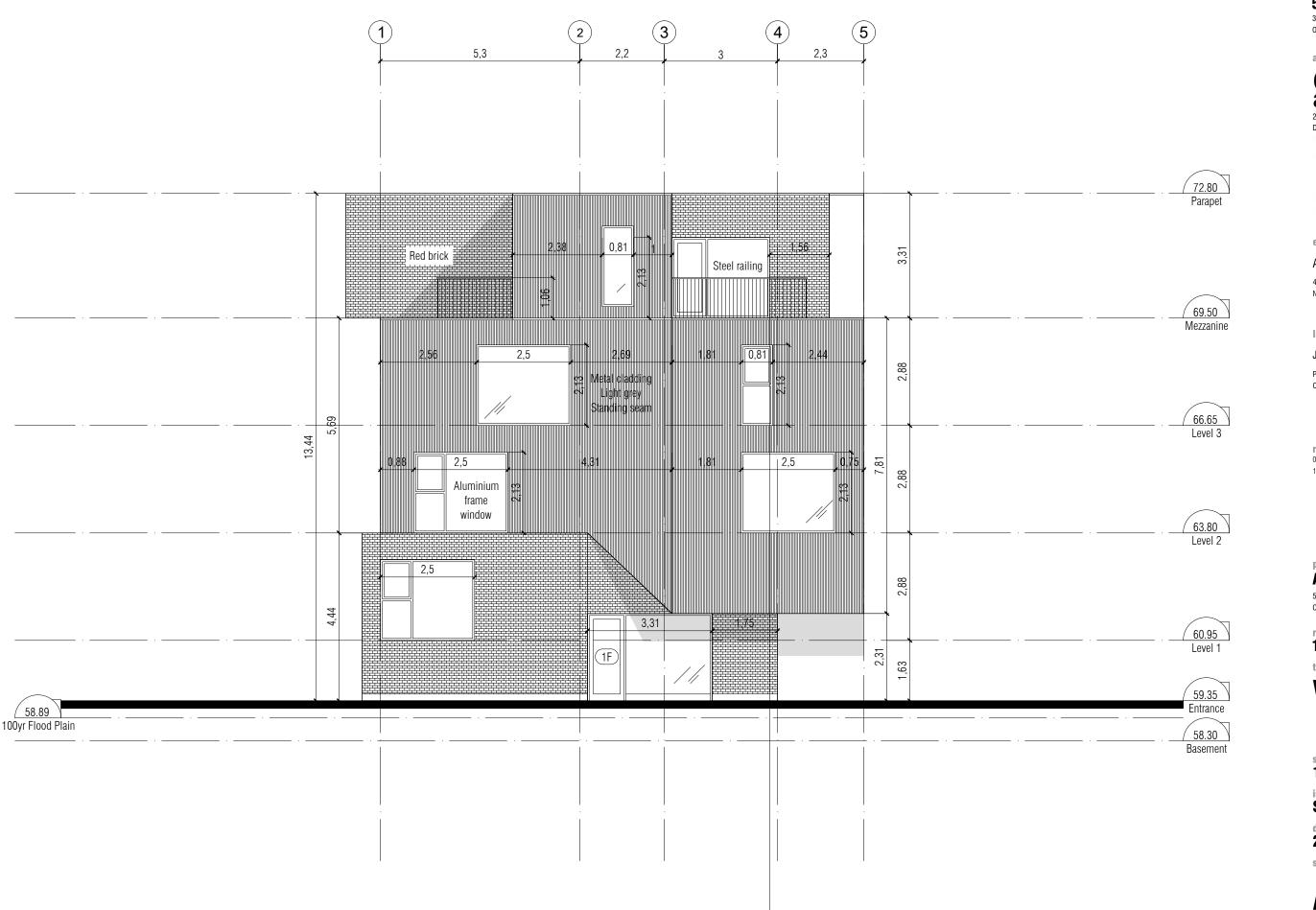
14-10

# **Cross section**

1:100

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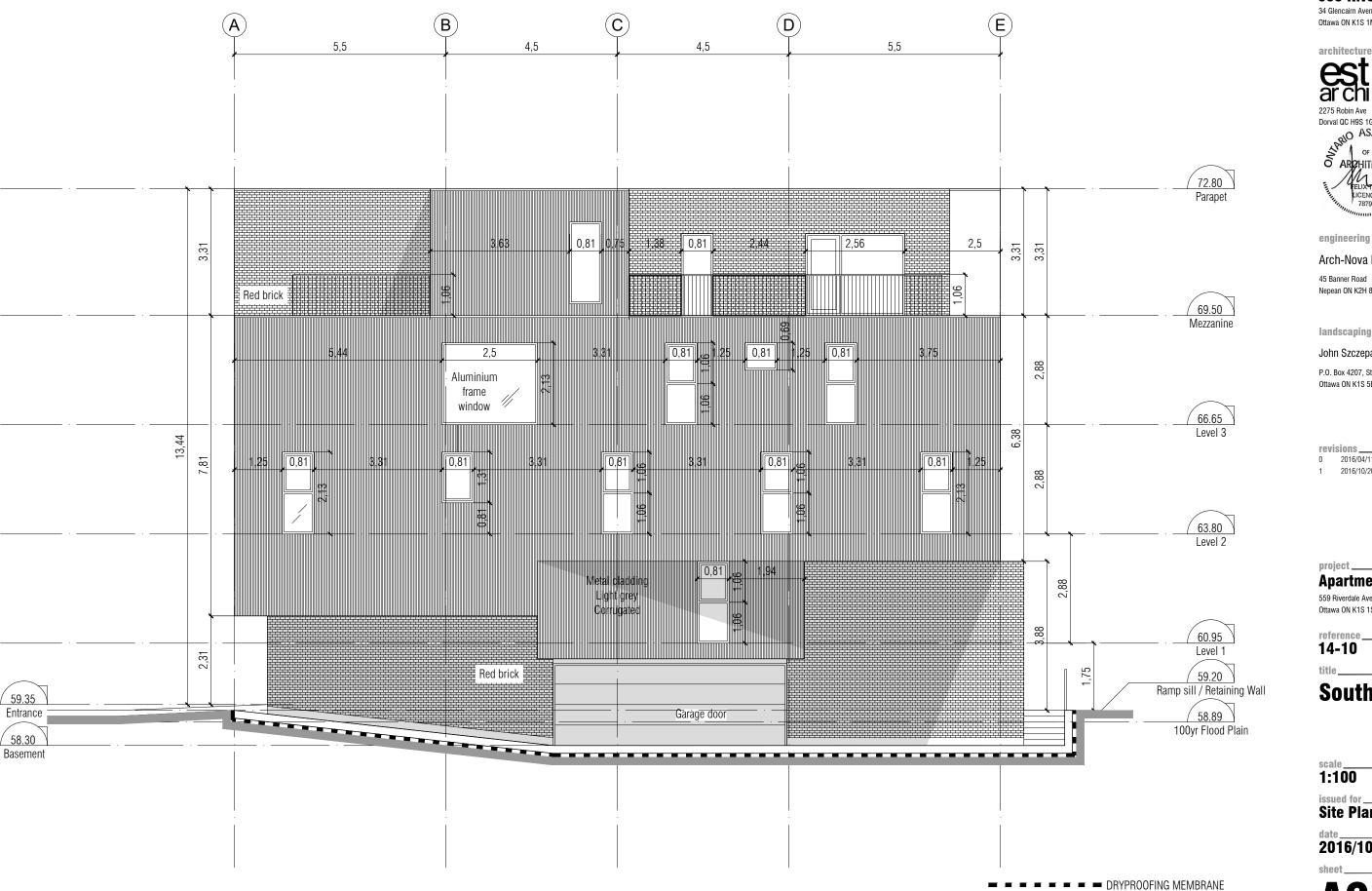
title\_\_\_

# **West elevation**

1:100

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# **South elevation**

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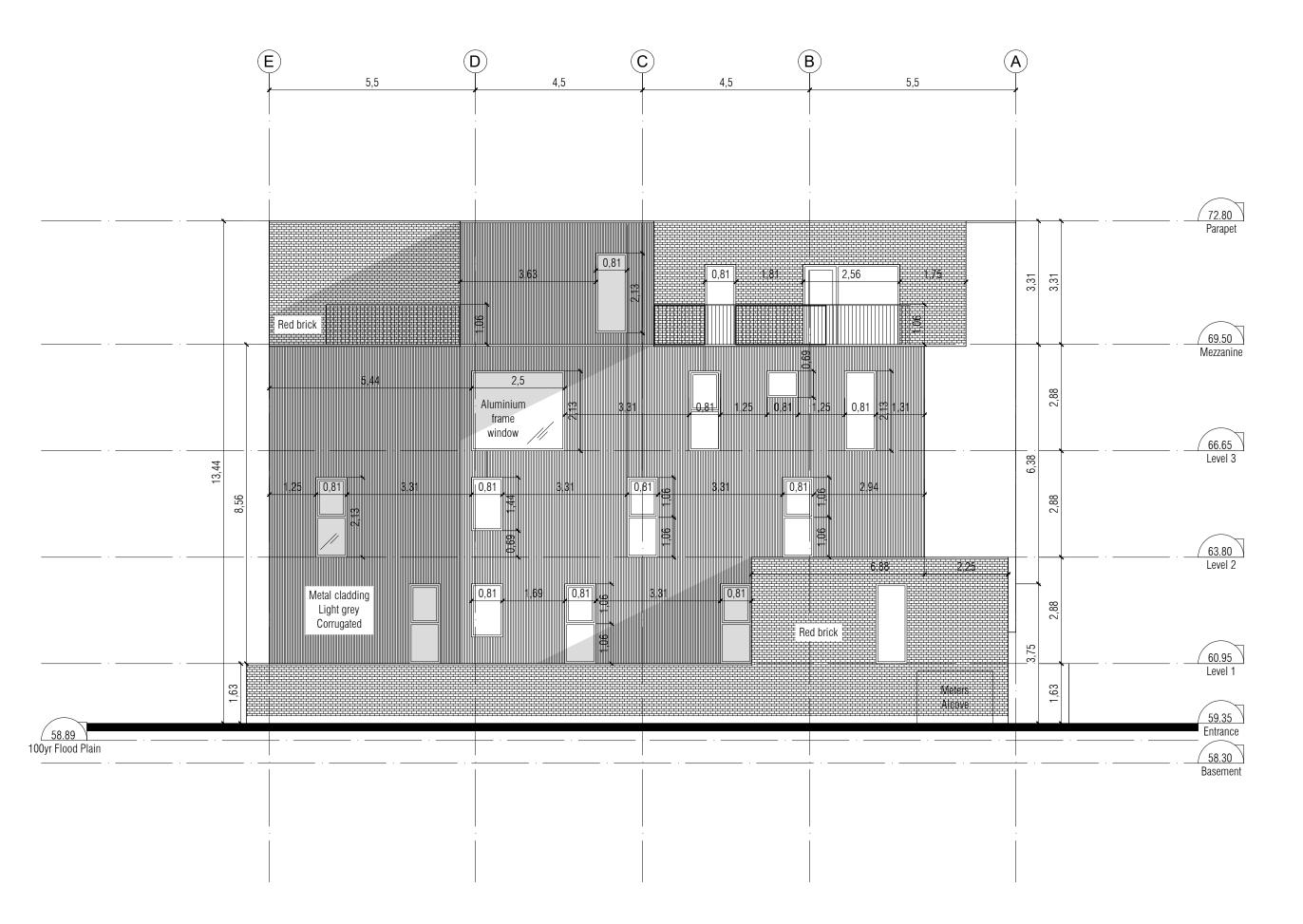
reference. 14-10

# **East elevation**

1:100

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project\_\_

# **Apartment Building**

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reference. 14-10

# **North elevation**

1:100

issued for \_\_

**Site Plan Control**