Cisco Systems, Inc.

Cisco Ottawa Campus

Proposed Site Plan Application - 2000 Innovation Drive - FILE NO: PC2025-0127

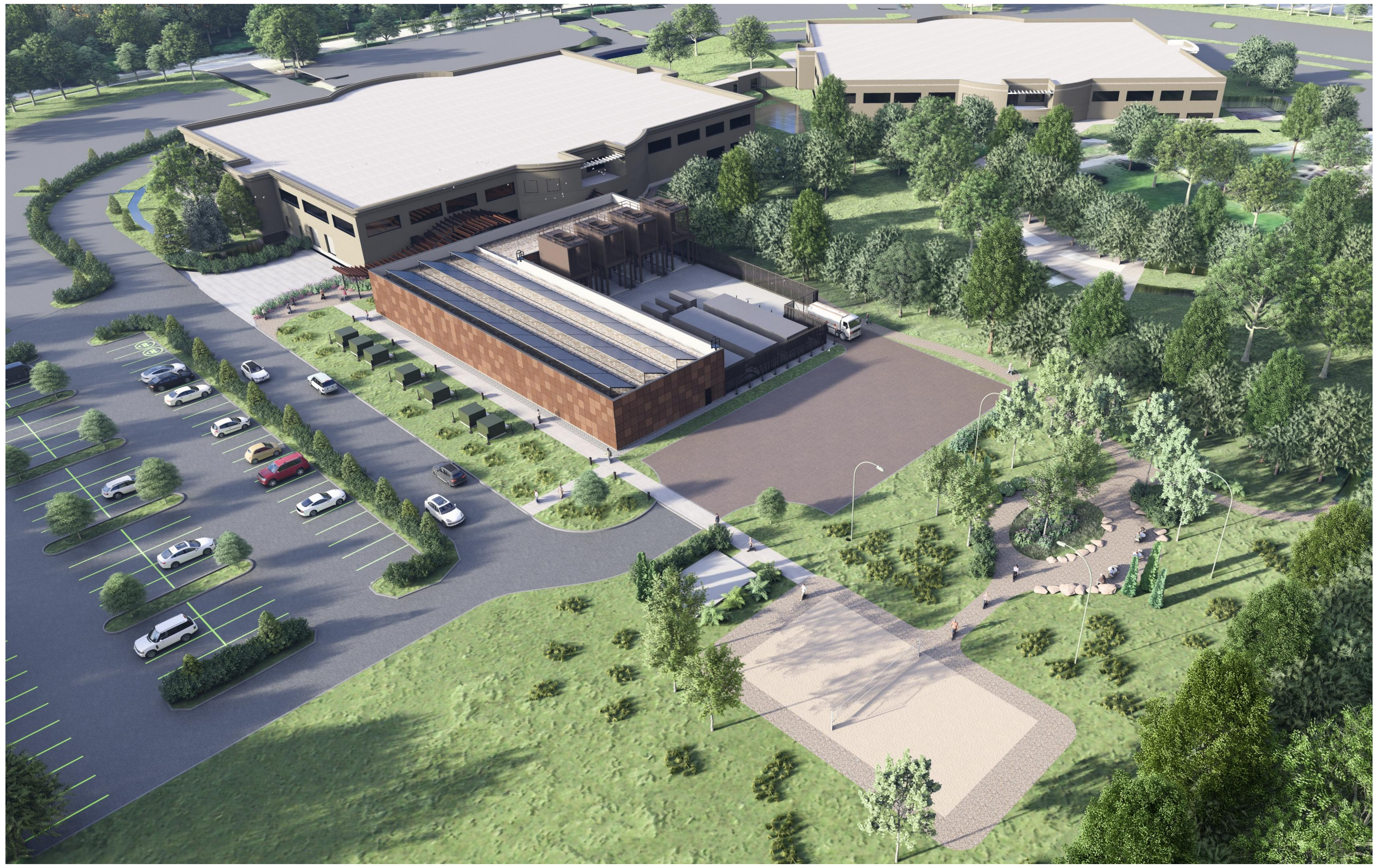
MAB
2000 Innovation Drive,
Kanata, ON K2K 3E8 ,Canada

ISSUED FOR SITE PLAN CONTROL (SPC) ROUND 1

2025.12.12

MECHANICAL AUXILIARY BUILDING (MAB)

NOTE: PRE-CONSULTATION MEETING FEEDBACK RECEIVED JUNE 4,2025



PRIME CONSULTANT
Arcadis Architects (Canada) Inc.
500-333 Preston Street,
Ottawa, Ontario, K1S 5N4
CONTACT - Troy Whalen
PHONE - 647-339-4060
EMAIL - Troy.Whalen@arcadis.com

DISCIPLINES - ARCHITECTURAL, PLANNING, CIVIL, LANDSCAPE, TRANSPORTATION, ENVIRONMENTAL (ESA), ECOLOGY.

PROJECT MANAGER
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340 Albert St, Suite 1900
Ottawa, ON, K1R 7Y6
CONTACT - Dom Seipp
PHONE - 613-899-5323
EMAIL - Domino.Seipp@cbre.com

GEOLOCATED SURVEY
Annis O'Sullivan Vollebekk Ltd.(AOV)
14 Concourse Gate #500,
Nepean, ON, K2E 7S6
PHONE - 613-727-0850
CELL - 613-880-7965

Note: AOV Carried By CISCO (Owner/Client)

STRUCTURAL/MECHANICAL/ELECTRICAL/ PLUMBING (MEP)/FIRE PROTECTION ENGINEERS
ARUP
47 Clarence Street, Suite 202,
Ottawa, ON, K1N 5P9
CONTACT - Khaled Abou-Alfa
EMAIL - Khaled.Abou-Alfa@arup.com

STRUCTURED CABLING & ACOUSTIC DESIGN
TEECOM
50 California Street, Suite 1500,
San Francisco, CA, 94111
CONTACT - Dave Main
PHONE - 510-337-2800
EMAIL - Dave.Main@teecom.com

ARCHAEOLOGICAL ASSESSMENTS, PHASES 1 & 2
Nadine Kopp
Partner & Senior Archaeologist
Phone: 613-807-2071
Mobile: 613-807-1124
Website: www.matrixheritage.ca
Email: nkopp@matrixheritage.ca
Office Address: 6131 Perth StreetRichmond, Ontario,K0A 2Z0
Mailing Address: P.O. Box 69,Richmond, Ontario,K0A 2Z0

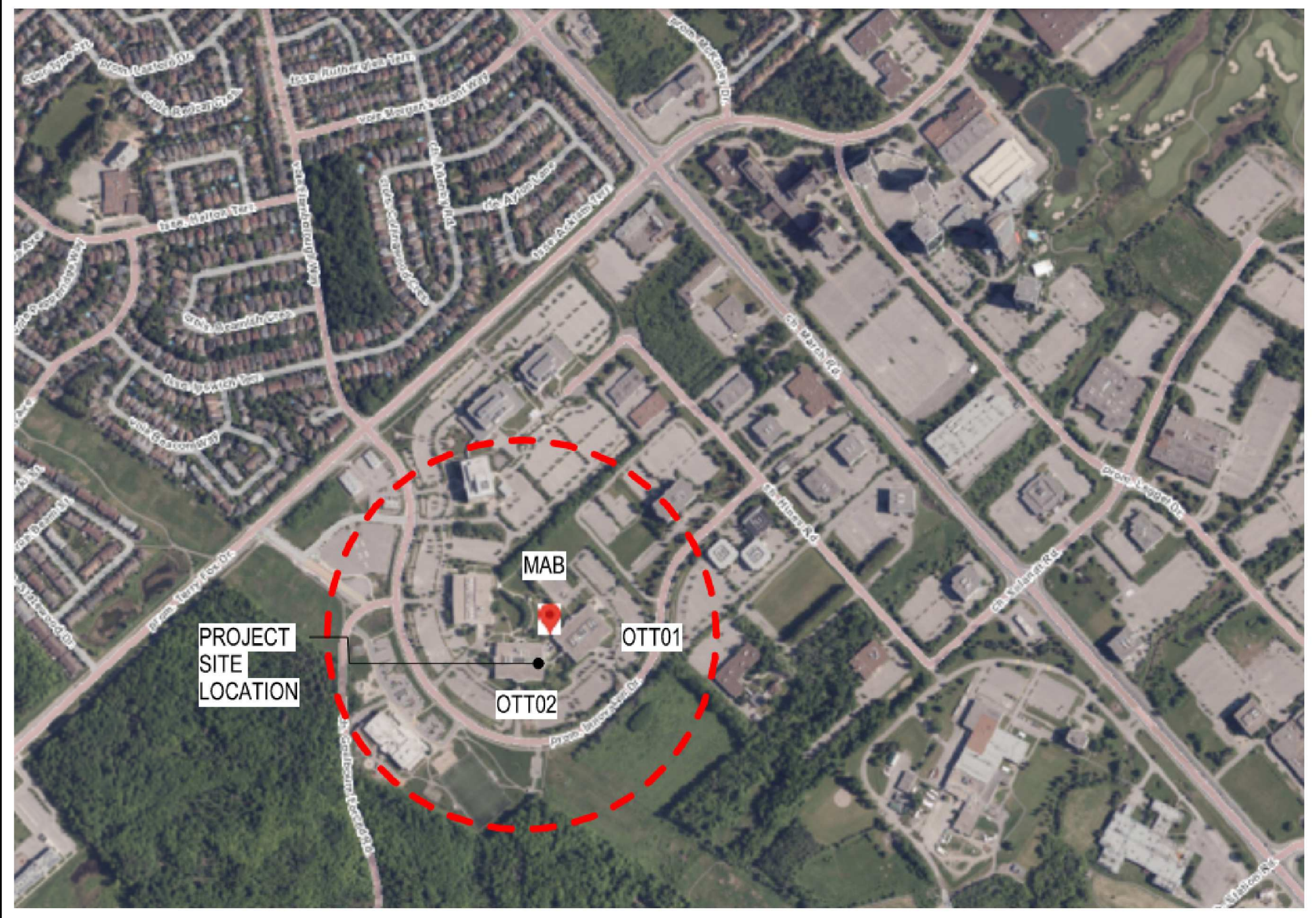
BUILDING CODE/LIFE SAFETY
Senez Consulting Ltd.
93 Skyway Avenue, Suite 102,
Toronto, ON, M9W 6N6
CONTACT - Gordana Tijanic
PHONE - 647-499-6565
EMAIL - Gordana@senezco.com

DOOR FRAMES & HARDWARE
Total Opening Consultants Ltd.
895 Don Mills Rd. Suite 900,
Toronto, ON M3C 1W3
CONTACT - Jean-Louis Bramwell
PHONE - 647-288-8063
EMAIL - Jean-Louis.Bramwell@totalopeningconsultants.com

MASW + GEOTECHNICAL REPORT
WSP Canada Inc.
1931 Robertson Road Buildings A and B
Ottawa, ON K2H 5B7 Canada
(613) 592-9600
Chris Hendry, P.Eng
Senior Geotechnical Engineer
E-mail:arthur.kuitchoupetke@wsp.com
Note: WSP carried by Cisco (Owner/Client)

LEGEND:
OTT01: OTTAWA 01 BLDG
OTT02: OTTAWA 02 BLDG
MAB: MECHANICAL AUXILIARY BLDG (PROVIDING POWER + COOLING TO COMPUTING LABS W/IN OTT01 BLDG)

PLAN NORTH



ARCHITECTURE SHEET INDEX

NO.	SHEET NAME	ISSUED FOR SPC ROUND 1
AM-000	MAB - COVER SHEET	●
AM-102	SITE PLAN EXISTING CONDITIONS	●
AM-103	PROPOSED SITE PLAN	●
AM-104	PROPOSED SITE PLAN & GROUND LEVEL-ENLARGED	●
AM-105	SITE PLAN DEMO AND NEW	●
AM-201	ARCHITECTURAL CONCEPT	●
AM-202	BUILDING ELEVATIONS & SECTIONS	●

Grand total: 7

Project credits: Christopher Fickert, Zandria Tolliver, Mazen Totonji, Troy Whalen, Yazan Bilbeisi.

NOT FOR CONSTRUCTION

2025-12-12 7:07:06 PM

CLIENT
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, California, 95134

ISSUES

No.	DESCRIPTION	DATE
1	ISSUED FOR SPC ROUND 1	2025.12.12

Cisco Ottawa Campus
MAB
2000 Innovation Drive,
Kanata, ON K2K 3E8

CONSULTANT
ARUP
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Matrix
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SEAL
Yazan Bilbeisi
Cisco MAB - Issued for SPC #1
Not for Construction
Dec. 12, 2025
YAZAN BILBEISI
LICENCE
10219

PRIME CONSULTANT
ARCADIS
333 Preston Street - Suite 500
Ottawa ON K1S 5N4 Canada
tel 613 225 1311
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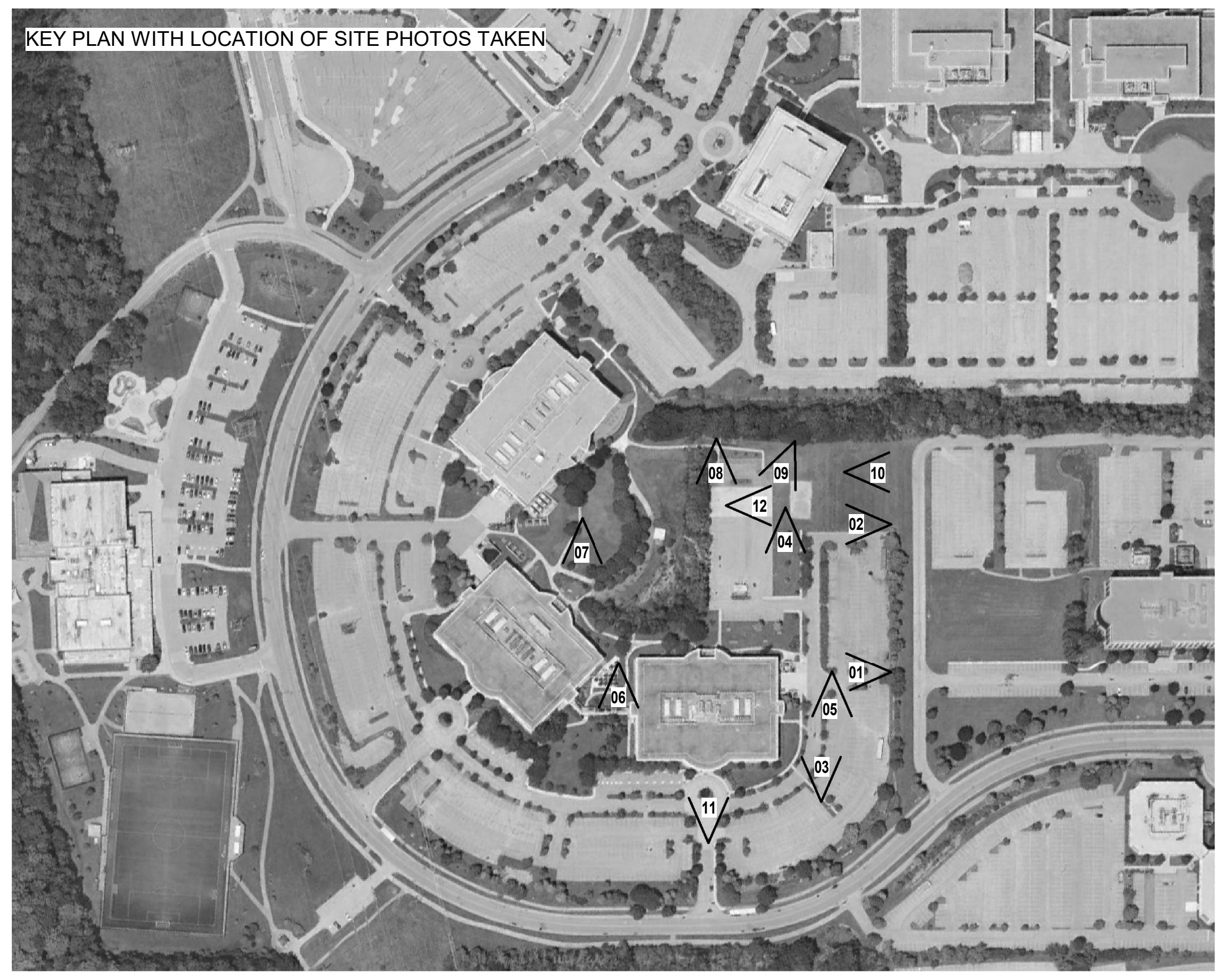
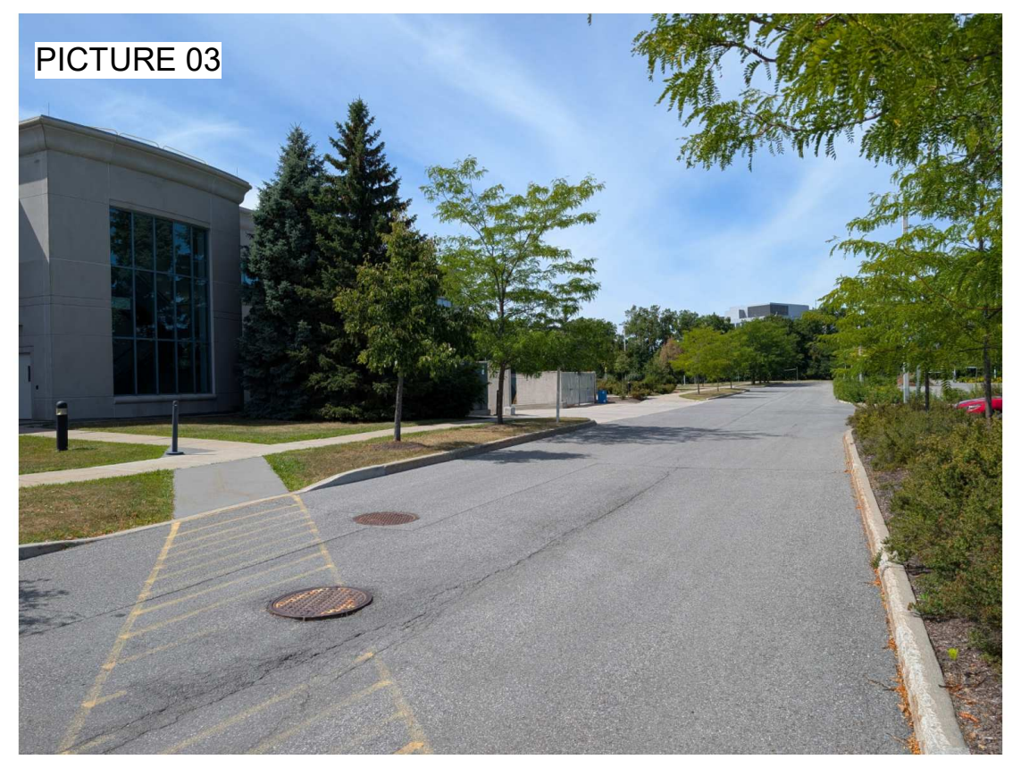
PROJECT NO:	APPLICATION NO:
MAB:30298433	PC2025-0127

SHEET NUMBER	ISSUE
AM-000	1

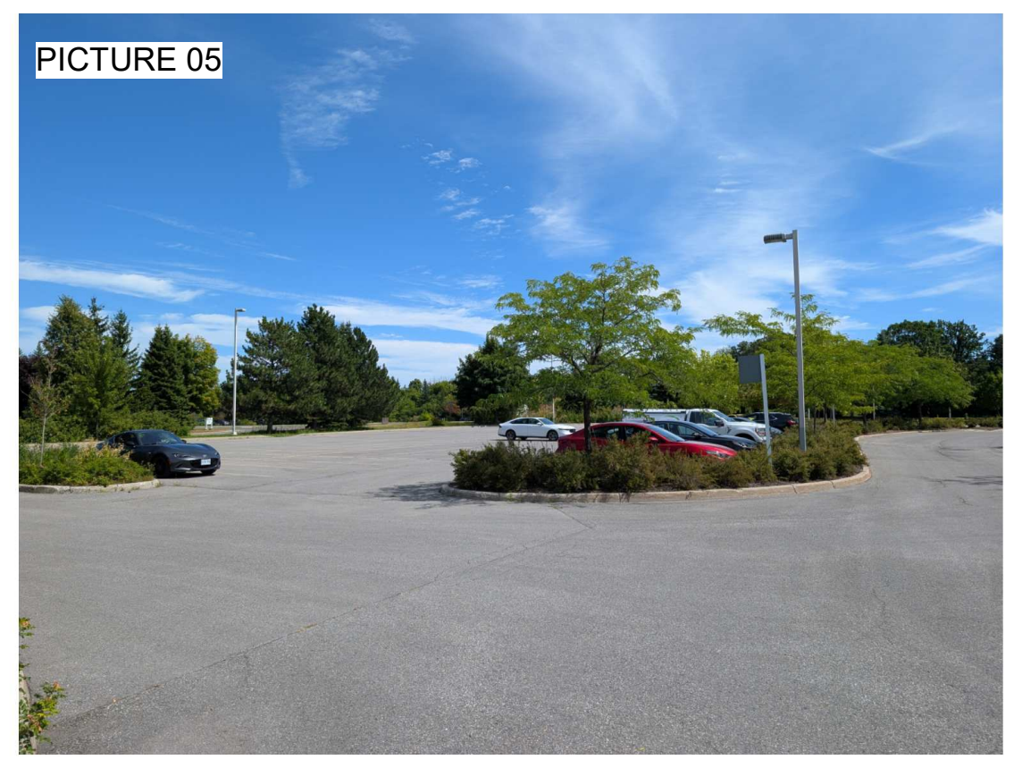

KEY PLAN WITH LOCATION OF SITE PHOTOS TAKEN

PICTURE 01

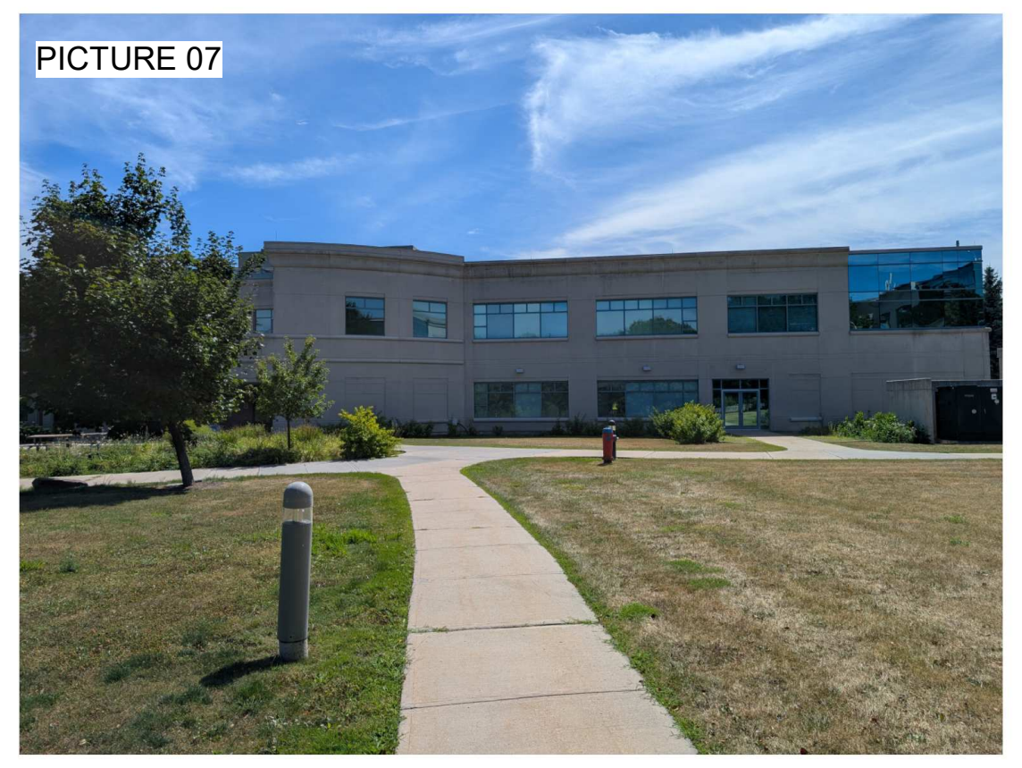
PICTURE 02


PICTURE 03

PICTURE 04


PICTURE 05

PICTURE 06


PICTURE 07

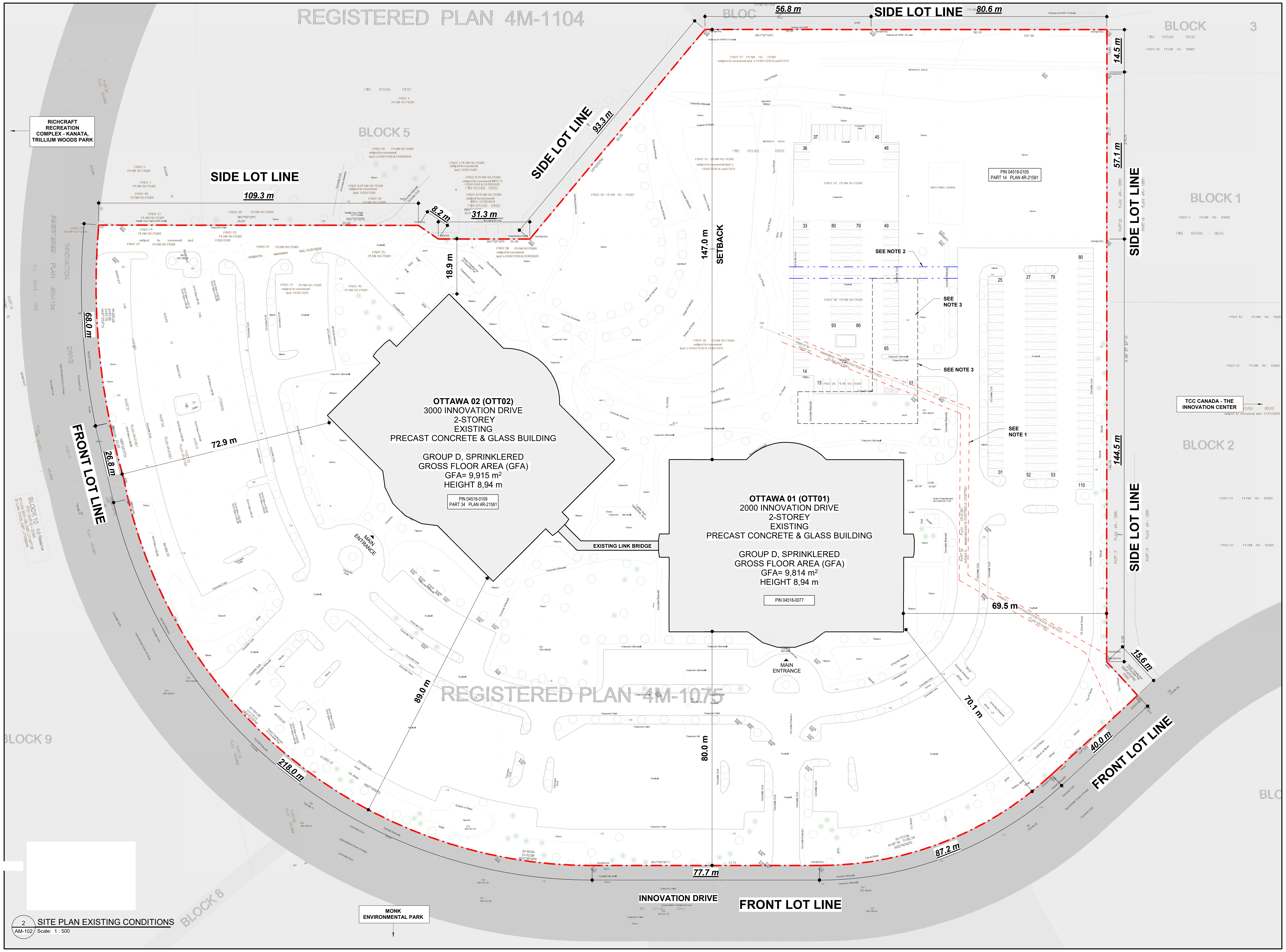
PICTURE 08

PICTURE 09

PICTURE 10

PICTURE 11

PICTURE 12



2 AM-102 SITE PLAN EXISTING CONDITIONS
Scale: 1 : 500

AERIAL VIEW 1

AERIAL VIEW 2

AERIAL VIEW 3

NOTE 1:

PRIVATE EASEMENT – SEWER LINE RELOCATION & TITLE UPDATE
BACKGROUND
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PER THE CITY'S REQUEST: IT IS UNDERSTOOD THAT THIS IS A PRIVATE EASEMENT, NOT ONE HELD BY THE CITY OF OTTAWA. HOWEVER, AS PART OF THE CITY'S CONDITIONS OF APPROVAL, WRITTEN CONFIRMATION FROM BOTH PARTIES TO THE EASEMENT IS REQUIRED TO SUPPORT THE PROPOSED LIFTING AND REINSTATEMENT. CONFIRMATION WILL BE PROVIDED FOR SPC #2.

NOTE 2:

PROPOSED RELOCATED EASEMENT – SEE CIVIL DRAWINGS. TWO OPTIONS PRESENTED TO CITY STAFF IN OCT. 2025. RECOMMENDED OPTION PRESENTED FOR SPC #1.

NOTE 3:

PROPOSED MAB OUTLINE.

Scale 1:500
0 10 25 50 m

True North
Project North

CLIENT
CISCO

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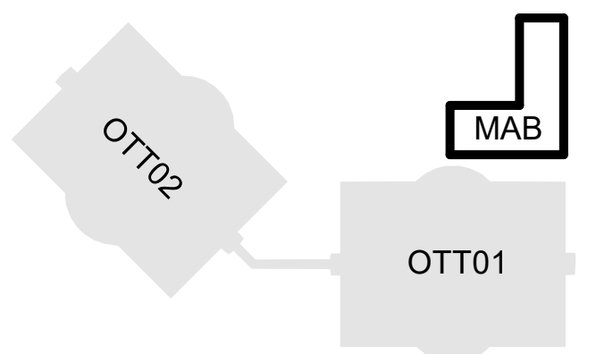
Arcadis Architects (Canada) Inc.



ISSUES

No.	DESCRIPTION	DATE
1	ISSUED FOR SPC ROUND 1	2025.12.12

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PROJECT
Cisco Ottawa Campus
MAB
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Kanata, ON K2K 3E8

PROJECT NO:	APPLICATION NO:
MAB:30298433	PC2025-0127
DRAWN BY: **ARCADIS**	CHECKED BY: **YB**
PROJECT MGR: **YB**	APPROVED BY: **TW**

SHEET TITLE
SITE PLAN EXISTING CONDITIONS

SHEET NUMBER
AM-102

ISSUE
1

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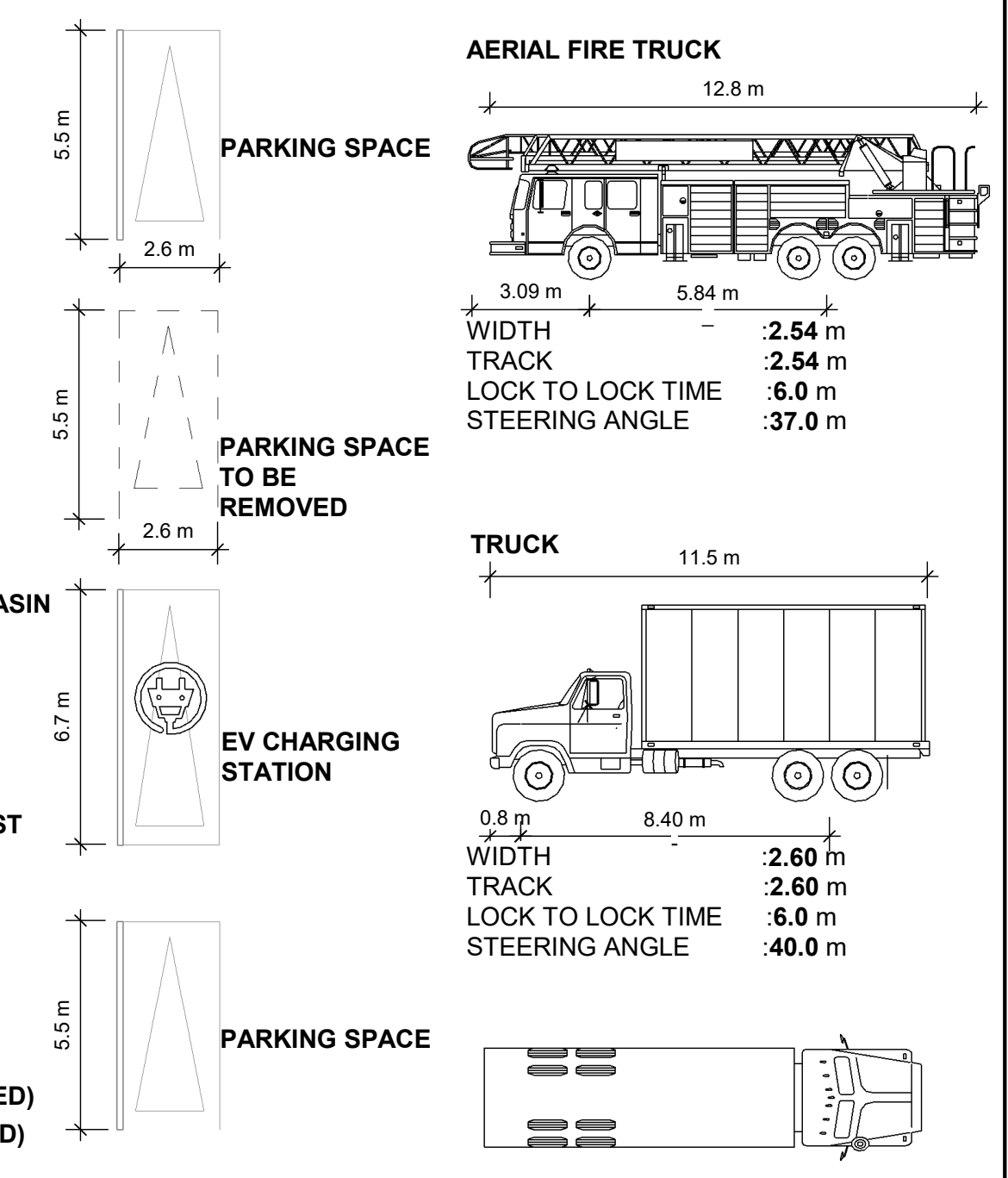
File No: PC2025-0127

SITE LEGEND:

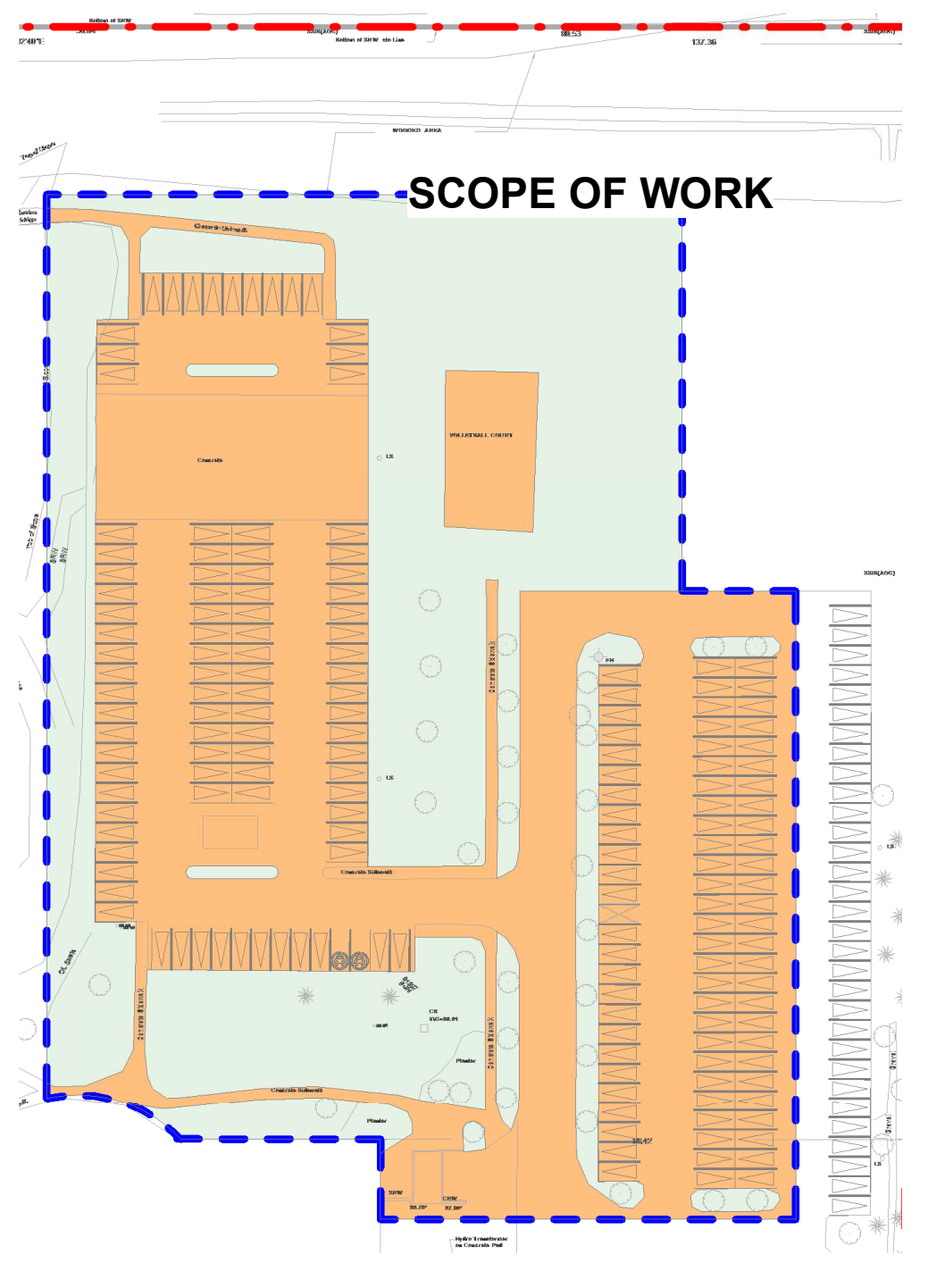
🟥 – · –	PROPERTY LINE
🟩 – · –	ZONING SETBACKS
- - - -	FIRE ACCESS ROUTE (FAR)
▬ ▬ ▬	PROPOSED SITE PLAN SCOPE OF WORK
– – –	PRIVATE EASEMENT TO BE RELOCATED
— · —	PROPOSED EASEMENT
● FH	EXISTING FIRE HYDRANT
	FENCE
●	BOLLARDS
	BIKE RACKS
▲	EXIT OR ENTRANCE
◎	EXTERIOR LIGHT BOLLARD
	WALL MOUNTED DOWN LIGHT - DARK SKY COMPLIANT
	EXISTING TREE TO REMAIN
	EXISTING TREE TO BE REMOVED
	EXISTING CONIFEROUS TREE
○	PROPOSED DECIDUOUS TREE
	PROPOSED CONIFEROUS TREE
○	PROPOSED SPECIMEN SHRUB
	TABLE AND CHAIRS
○ LS	PROPOSED LIGHT STANDARD
○ LS	EXISTING LIGHT STANDARD
	ARMOURSTONE BOULDERS
▨	NATIVE SEED MIX
▨	PERENNIAL PLANTING
▨	EXISTING SOD TO REMAIN
▨	BOUND AGGREGATE PAVING
▭	C.I.P CONCRETE PAVING
▨	GRAVEL
▨	LOOSE SAND
▦	HD INTERLOCKING PAVERS
▨	SAFTY ZONE /NO PARKING
▬	TACTILE WALKING SURFACE INDICATOR (TWSI)
DMC / MC / DC	**DMC / MC / DC - DEPRESSED / MOUNTABLE CURB / BARRIER CURB** ** PARKING AREAS AND ENTRANCES SHALL HAVE BARRIER CURBS

● MH118A	SANITARY MANHOLE
200mm SAN	SANITARY SEWER
MH109 ○ ▭ MH118	STORM MANHOLE
825mm STM	STORM SEWER - *<9000*
900mm STM	STORM SEWER - *>9000*
200 WATERMAIN	WATERMAIN
CB100 T/G 104.10	STREET CATCHBASIN - TOP GRATE
CICB101 G/G 104.25	STREET CATCHBASIN - GUTTER
DCB100 T/G 104.10	DOUBLE CATCHBASIN - TOP
DCICB101 G/G 104.25	DOUBLE CATCHBASIN - GUTTER
DI101 T/G 103.59	DITCH INLET MANHOLE
CBMH101 T/G 103.59	CATCHBASIN MANHOLE
RYCB T/G 104.35	REAR YARD CATCHBASIN
T/G 104.35 INV 103.35	REAR YARD "TEE" CATCHBASIN
T/G 104.50 INV 103.50	REAR YARD "END" CATCHBASIN
T/G 104.35 INV 103.35	REAR YARD "CUSTOM ANGLED" CATCHBASIN
T/G 104.35 INV 103.35	REAR YARD "THREE WAY" CATCHBASIN
- - -	PERFORATED REAR YARD SUBDRAIN
300mm CSP	CSP CULVERT C/W DIAMETER
VB	VALVE AND VALVE BOX
V&VC	VALVE AND VALVE CHAMBER
	PARK VALVE CHAMBER C/W SERVICE POST
HYD 104.35	FIRE HYDRANT C/W BOTTOM
200 WM RED 150 WM	WIRE MAIN REDUCER
2 VBENDS	VERTICAL BEND LOCATION
	SIAMESE CONNECTION
Ⓜ	METER (IF REQUIRED)
RM	REMOTE METER (IF REQUIRED)
Ⓐ	WATER MAIN IDENTIFICATION (IF REQUIRED)
①	PIPE CROSS IDENTIFICATION (IF REQUIRED)
◁	SINGLE SERVICE LOCATION
◀	DOUBLE SERVICE LOCATION
◁*	SINGLE SERVICE LOCATION (REQUIRES SLEEVE)
BH 12 102.00	INFERRED REFUSAL (SEE GEOTECHNICAL)
HGL 101.79	100 YEAR STORM HYDRAULIC GRADE LINE
USF 101.79	UNDERSIDE OF FOOTING ELEVATION
— — —	CLAY SEAL IN SEWER / WATERMAIN TRENCH

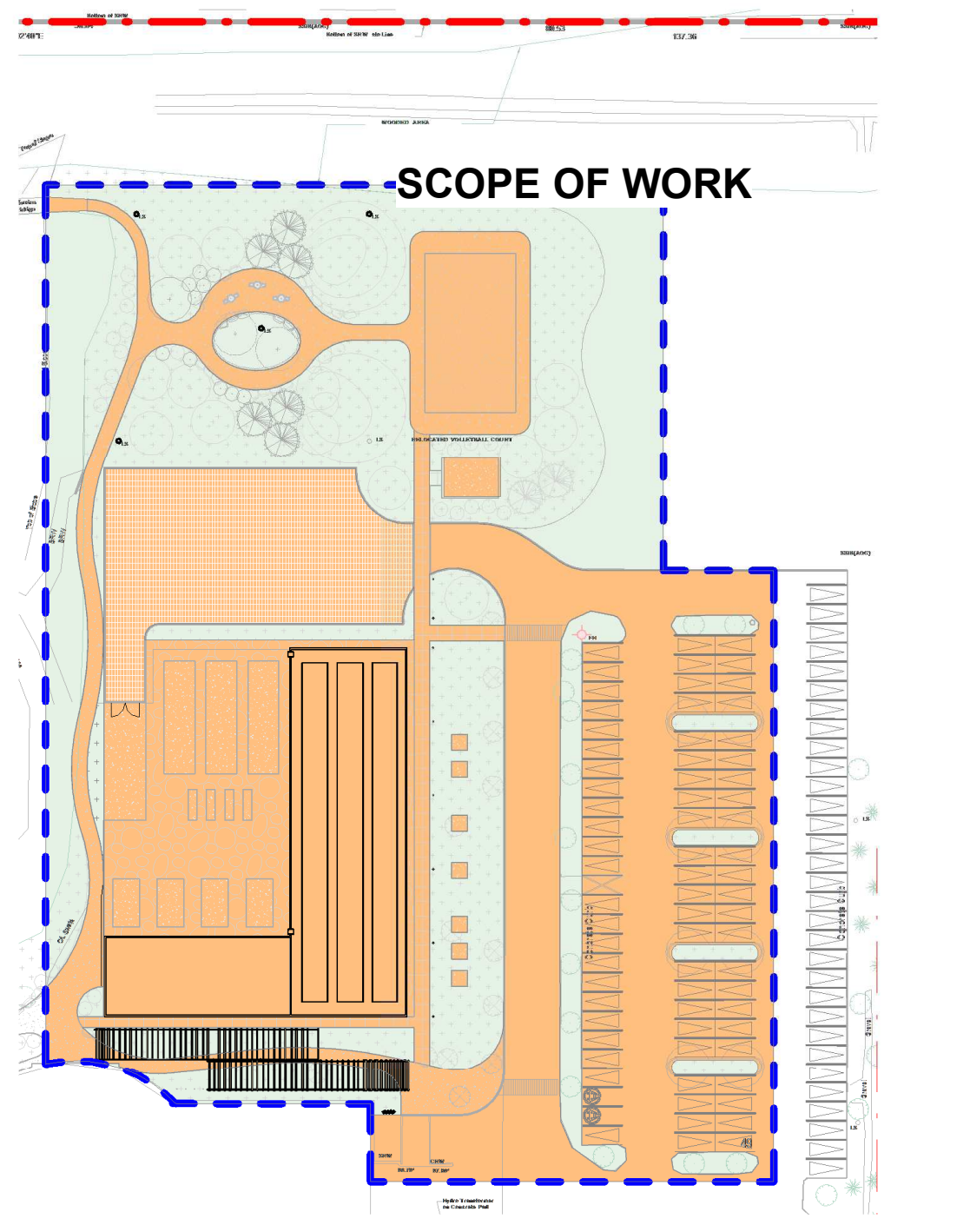


AERIAL FIRE TRUCK
WIDTH :2.54 m
TRACK :2.54 m
LOCK TO LOCK TIME :6.0 m
STEERING ANGLE :37.0 m

TRUCK
WIDTH :2.60 m
TRACK :2.60 m
LOCK TO LOCK TIME :6.0 m
STEERING ANGLE :40.0 m



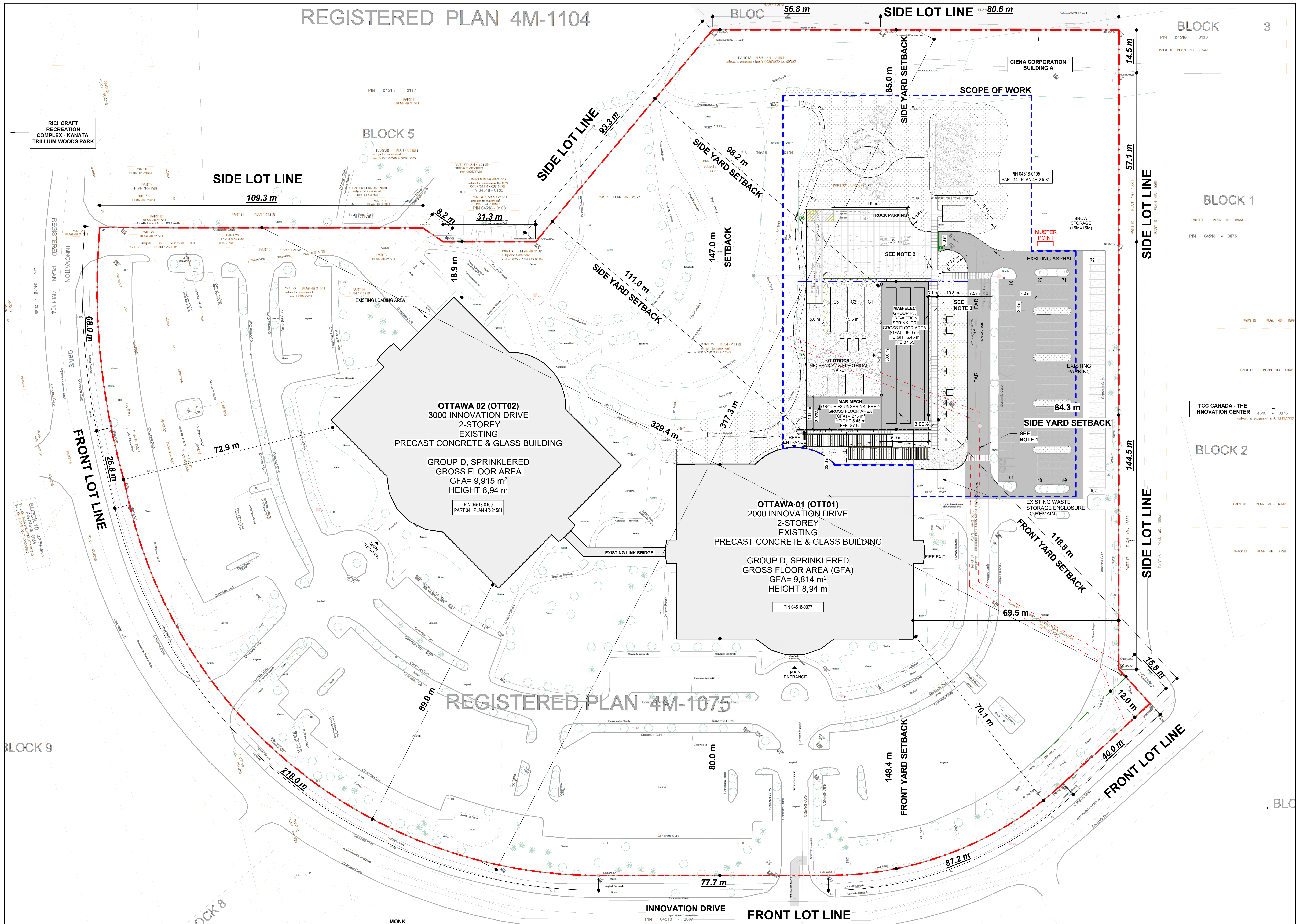
EXISTING CONDITIONS



PROPOSED

	EXISTING	REMOVED	REMAINING
SOFTSCAPE	5142 m²	1687 m²	3495 m²
HARDSCAPE	6940 m²	1325 m²	5575 m²

	PROPOSED	EXISTING	DELTA
SOFTSCAPE	4680 m²	5142 m²	4680-5142 = - 462 m²
HARDSCAPE	7402 m²	6940 m²	7402 - 6940 = + 462 m²



1 AM-103 PROPOSED SITE PLAN (SURVEY BY AOV)
Scale: 1 : 500

SITE DATA AND ZONING INFORMATION

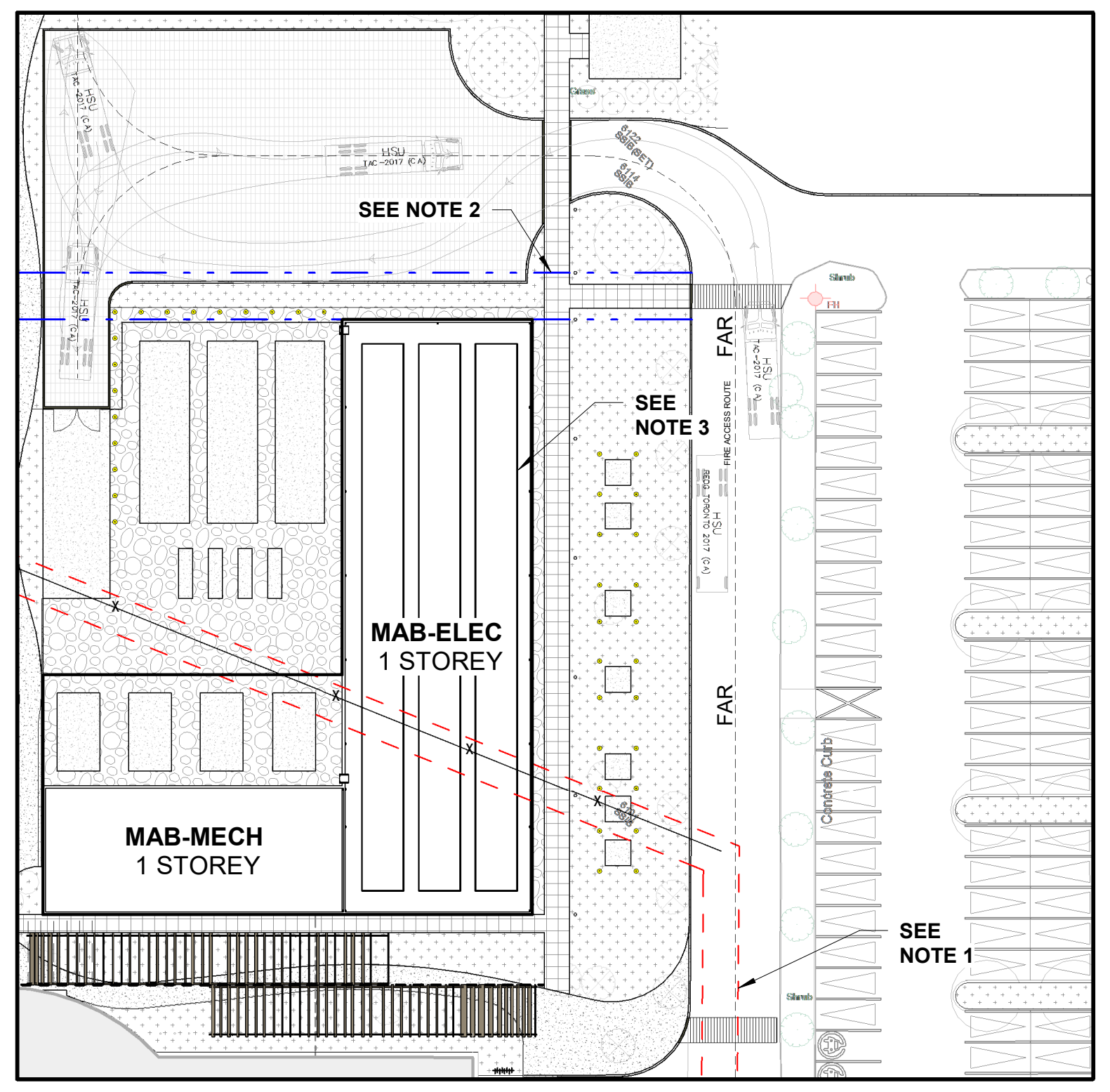
PROJECT LOCATION	2000 (OTT01) AND 3000 (OTT02) INNOVATION DRIVE, KANATA, ON K2K 3E8	
LEGAL DESCRIPTION	PART OF BLOCK 3, REGISTERED PLAN 4M1075, KANATA.	
PROPERTY OWNER	CISCO SYSTEMS INC. 170 WEST TASMAN DR., SAN JOSE, CA USA 95134.	
PROVISION	**IG6 H(44)**	**PROPOSED**
MINIMUM LOT AREA (TABLE 200C.I)	4000 m²	78,344.74 m²
MINIMUM LOT WIDTH (TABLE 200C.II)	45 m	335.0 m
MAXIMUM LOT COVERAGE (TABLE 200C.V)	45%	14.2%
MINIMUM FRONT YARD, CORNER SIDE YARD (TABLE 200C.III)	12 m	118.8 m
MINIMUM INTERIOR SIDE YARD (TABLE 200C.IV)	7.5 m 0 m for accessory building (Table 55)	98.02 m
MINIMUM REAR YARD (TABLE 200C.IV)	7.5 m 0 m for accessory building (Table 55)	85.00 m
MAXIMUM BUILDING HEIGHT (HEIGHT SUFFIX)	44 m	6.2 m
MINIMUM WIDTH OF LANDSCAPED AREA (TABLE 199.I)	ABUTTING INSTITUTIONAL ZONE: 3 M ABUTTING A STREET: 3 M ALL OTHERS: NO MINIMUM	4.5 m
PARKING (TABLE 101.N89)	0.8 PER 100 M2 FOR THE FIRST 5000 M2 GFA, THEN 0.4 PER 100 M2 = (5 000/100*0.8) + (14729/100*0.4) = 40 + 59 SPACES =**99 SPACES**	COUNT INDICATES 20 SMALL SPACES, 24 BF SPACES, AND 757 PARKING SPACES PRESENT ON SITE.AFTER REMOVING 101 PARKING SPACES, THE TOTAL WILL BE REDUCED TO 656.
BICYCLE PARKING (TABLE 111A.E)	1 SPACE PER 1000 M2 GFA = 19729/1000 = 20 SPACES	#20 EXISTING TO REMAIN BICK RACKS AT OTT01. #20 EXISTING TO REMAIN BICK RACKS AT OTT02

TOTAL LAND AREA	7.83 HA / 843,509.03 SQ. FEET / 78,344.74 SQ. METERS
TOTAL FOORPRINT AREA	
	1-STOREY, MAB BLDG MECH.MAB BLDG AREA :275 m² ELEC .MAB BLDG AREA :800 m² **TOTAL BUILDINGS FOOTPRINT = 1075 m²**
TOTAL GROSS FLOOR AREA	
	EXISTING BUILDINGS : GROSS FLOOR AREA (GFA) BLDG OTT1 =9,814 m² GROSS FLOOR AREA (GFA) BLDG OTT2 =9,915 m² **TOTAL BUILDINGS GROSS FLOOR AREA (GFA)= 19,729 m²**

	EXISTING	REMAINING
CAR COUNT	COUNT INDICATES 20 SMALL SPACES, 24 BF SPACES,AND 757 PARKING SPACES PRESENT ON SITE	757-101=656
BICYCLE COUNT	20 (EXISTING TO REMAIN)	NA

PROPERTY BOUNDARY INFORMATION DERIVED FROM: SURVEY PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. DATED JULY 24, 2025. PLAN SUBMISSION FORM V-110869

A landscaped garden foreground leads to the MAB with bronze-toned perforated panels and rooftop mechanical units. A paved service area with a parked truck contrasts with the greenery, creating a functional yet natural setting.



2 AM-103 REFUL & HYDRO OTTAWA VEHICLE AUTO-TURNS
Scale: 1 : 500

NOTE 1:

PRIVATE EASEMENT – SEWER LINE RELOCATION & TITLE UPDATE
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NOTE 2:

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NOTE 3:

PROPOSED MAB OUTLINE.

Scale 1:500
0 10 25 50 m

True North
Project North

CLIENT

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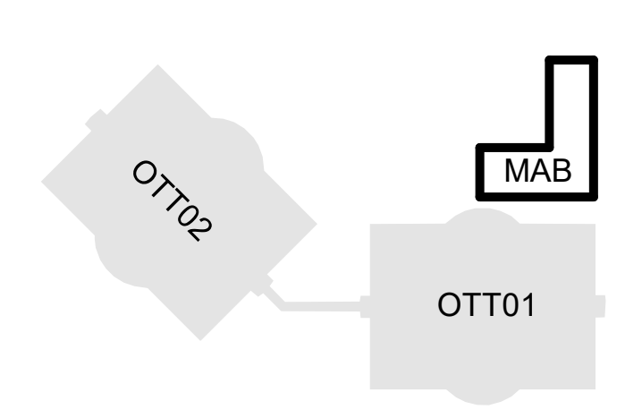

ISSUES

No.	DESCRIPTION	DATE
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PROJECT

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DRAWN BY: **ARCADIS**	CHECKED BY: **YB**
PROJECT MGR: **YB**	APPROVED BY: **TW**

SHEET TITLE
PROPOSED SITE PLAN

SHEET NUMBER AM-103
ISSUE 1

Autodesk Docs://Cisco - Ottawa Campus/146781-CISCO-A-MAB-R24.rvt

SCALE CHECK
10mm
1 in

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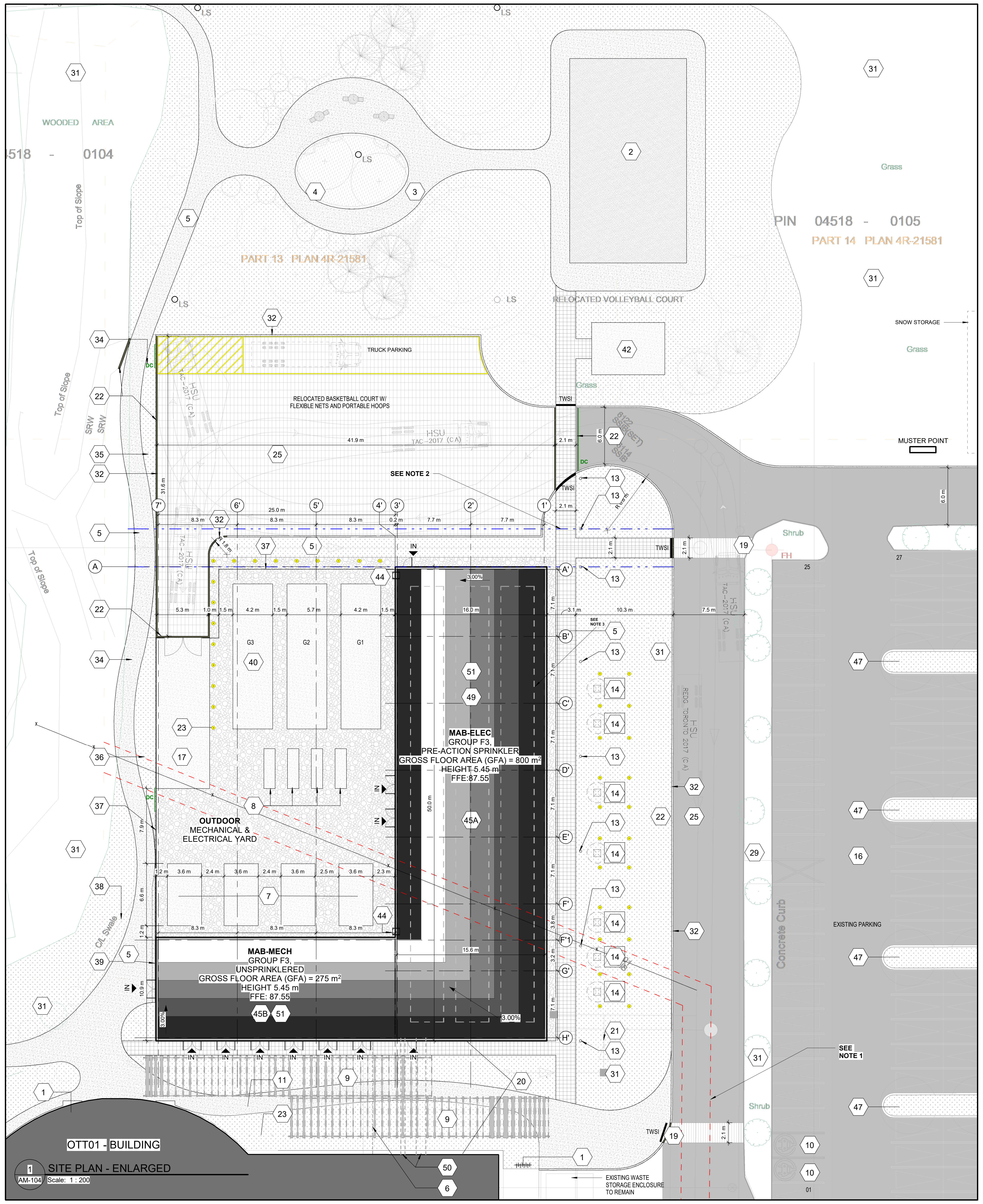
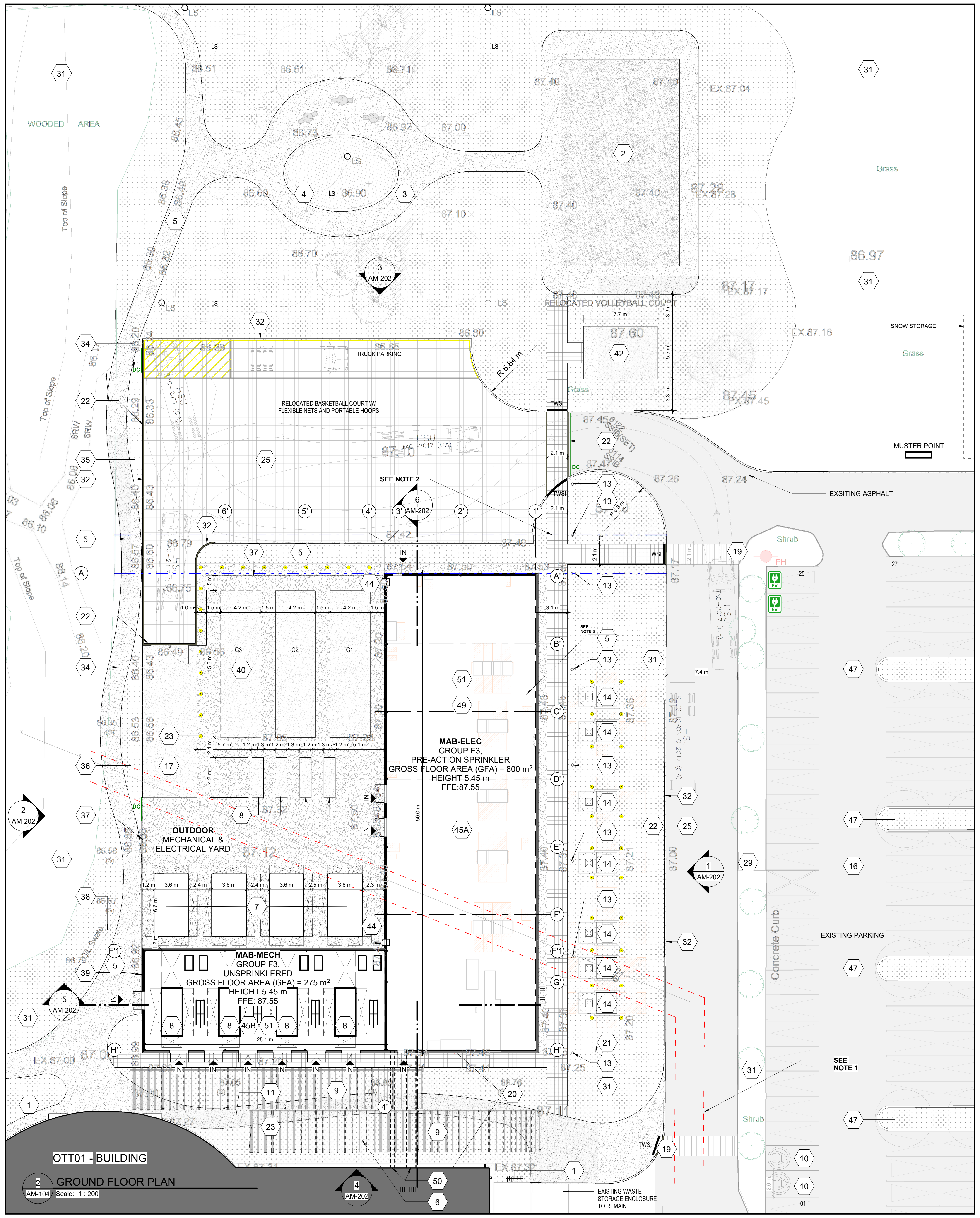
File No: PC2025-0127



1 AM-104 SITE PLAN - ENLARGED
Scale: 1 : 200



2 AM-104 GROUND FLOOR PLAN
Scale: 1 : 200

SITE LEGEND:

- PROPERTY LINE
- ZONING SETBACKS
- FIRE ACCESS ROUTE (FAR)
- PROPOSED SITE PLAN SCOPE OF WORK
- PRIVATE EASEMENT TO BE RELOCATED
- PROPOSED EASEMENT
- FH EXISTING FIRE HYDRANT
- FENCE
- BOLLARDS
- BIKE RACKS
- EXIT OR ENTRANCE
- EXTERIOR LIGHT BOLLARD
- WALL MOUNTED DOWN LIGHT - DARK SKY COMPLIANT

- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- EXISTING CONIFEROUS TREE
- PROPOSED DECIDUOUS TREE
- PROPOSED CONIFEROUS TREE
- PROPOSED SPECIMEN SHRUB
- TABLE AND CHAIRS
- LS PROPOSED LIGHT STANDARD
- LS EXISTING LIGHT STANDARD
- ARMOURSTONE BOULDERS

- NATIVE SEED MIX
- PERENNIAL PLANTING
- EXISTING SOD TO REMAIN
- BOUND AGGREGATE PAVING
- C.I.P CONCRETE PAVING
- GRAVEL
- LOOSE SAND
- HD INTERLOCKING PAVERS
- SAFTY ZONE /NO PARKING
- TACTILE WALKING SURFACE INDICATOR (TWSI)
- DMC / MC / DC — DMC / MC / DC - DEPRESSED / MOUNTABLE CURB / BARRIER CURB ** PARKING AREAS AND ENTRANCES SHALL HAVE BARRIER CURBS

MH118A	SANITARY MANHOLE
200mm□ SAN	SANITARY SEWER
MH109 MH118	STORM MANHOLE
825mm□ STM	STORM SEWER - *<9000*
900mm□ STM	STORM SEWER - *>9000*
200□ WATERMAIN	WATERMAIN
CB100 T/G 104.10	STREET CATCHBASIN - TOP GRATE
CICB101 G/G 104.25	STREET CATCHBASIN - GUTTER
DCB100 T/G 104.10	DOUBLE CATCHBASIN - TOP
DCICB101 G/G 104.25	DOUBLE CATCHBASIN - GUTTER
DI101 T/G 103.59	DITCH INLET MANHOLE
CBMH101 T/G 103.59	CATCHBASIN MANHOLE
RYCB T/G 104.35	REAR YARD CATCHBASIN
T/G 104.35 INV 103.35	REAR YARD "TEE" CATCHBASIN
T/G 104.50 INV 103.50	REAR YARD "END" CATCHBASIN
T/G 104.35 INV 103.35	REAR YARD "CUSTOM ANGLED" CATCHBASIN
T/G 104.35 INV 103.35	REAR YARD "THREE WAY" CATCHBASIN
	PERFORATED REAR YARD SUBDRAIN
300mm□ CSP	CSP CULVERT C/W DIAMETER
VB	VALVE AND VALVE BOX
V&VC	VALVE AND VALVE CHAMBER
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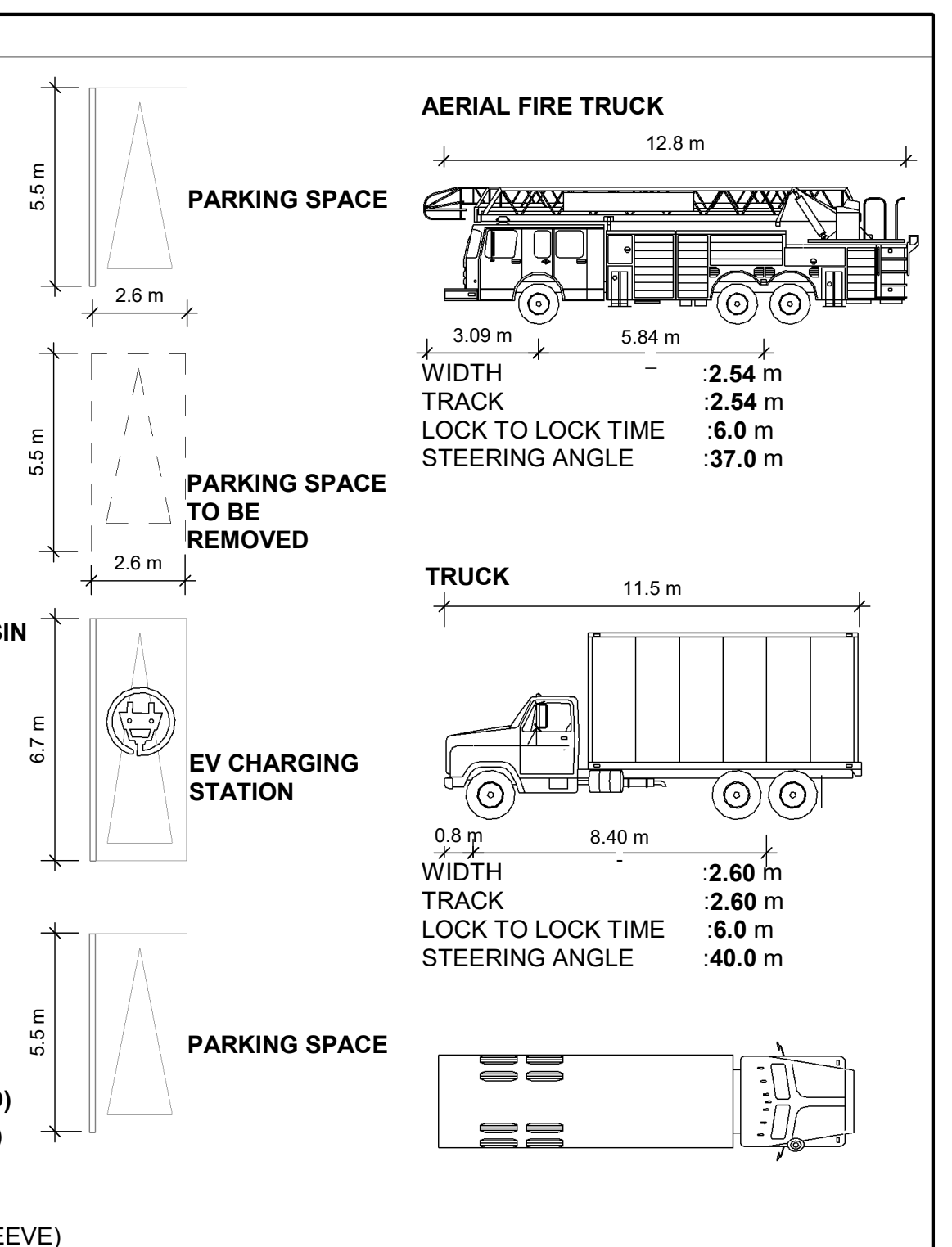
HYD 104.35	FIRE HYDRANT C/W BOTTOM
200□ WM RED 150□ WM	WIRE MAIN REDUCER
2 VBENDS	VERTICAL BEND LOCATION
	SIAMESE CONNECTION
M	METER (IF REQUIRED)
RM	REMOTE METER (IF REQUIRED)
A	WATER MAIN IDENTIFICATION (IF REQUIRED)
1	PIPE CROSS IDENTIFICATION (IF REQUIRED)
◁	SINGLE SERVICE LOCATION
◀	DOUBLE SERVICE LOCATION
◁*	SINGLE SERVICE LOCATION (REQUIRES SLEEVE)
BH 12 102.00	INFERRED REFUSAL (SEE GEOTECHNICAL)
HGL 101.79	100 YEAR STORM HYDRAULIC GRADE LINE
USF 101.79	UNDERSIDE OF FOOTING ELEVATION
	CLAY SEAL IN SEWER / WATERMAIN TRENCH



AERIAL FIRE TRUCK

WIDTH :**2.54** m
TRACK :**2.54** m
LOCK TO LOCK TIME :**6.0** m
STEERING ANGLE :**37.0** m

TRUCK

WIDTH :**2.60** m
TRACK :**2.60** m
LOCK TO LOCK TIME :**6.0** m
STEERING ANGLE :**40.0** m

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3	EXISTING CAR PARKING ASPHALT AREA CONVERTED TO LANDSCAPE (1010 SM)
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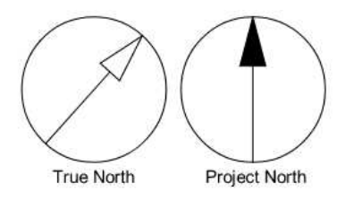
5	NEW PEDESTRIAN WALKWAY, 2.1M WIDE PER AODA
6	76 MM WATERMAIN BLDG INV. TO BE COORDINATED (BELOW GRADE, IF IT'S SHALLOW DUE TO SITE CONSTRAINTS, HEAT TRACED C/W INSULATION IS NEEDED TO MAB MECHANICAL ROOM)
7	FOUR COOLING TOWERS - SEE MECH.
8	PUMPS
9	A SLEEK TRELLIS/CANOPY BETWEEN THE EXISTING BUILDINGS AND THE NEW MAB BUILDING TO CONCEAL OVERHEAD SERVICES FROM MAB ELEC TO OTTO1
10	NEW LOCATION OF EXISTING EV CHARGING STATION
11	EXISTING PEDESTRIAN WALKWAY TO REMAIN
12	FOUR DIESEL GENERATORS
13	LANDSCAPE LIGHTING, DARK SKY COMPLIANT
14	SEVEN HYRDO OTTAWA TRANSFORMERS, OPEN ACCESS REQUIRED FOR HYDRO EQUIPMENT
15	NEW ASPHALT ROAD/PARKING
16	EXISTING PARKING TO REMAIN
17	NEW CONCRETE PLINTH, 0.3M HIGH
18	EXISTING LOADING AREA
19	CROSSWALK
20	LIMITING DISTANCE BETWEEN THE MAB AND EXISTING OTT01 BUILDING IS MIN. 10m TO PREVENT EXTENSIVE OTT01 FACADE FIRE RATING
21	4" - SAN LEAVING, 2 METERS BELOW GRADE, REFERENCE CIVIL
22	DEPRESSED CURB, DC
23	NEW BOLLARDS (TYP.)
24	EXISTING TREES TO BE REMOVED
25	EXISTING ROAD TO REMAIN
26	DEMOLISH CURB
27	DEMOLISH SIDE WALK
28	FOUR FUEL TANKS
29	EXISTING TREES TO REMAIN, SEE LANDSCAPE
30	EXISTING ASPHALT AND PARKING TO REMAIN
31	EXISTING SOFT LANDSCAPING TO REMAIN
32	PROPOSED CURB PER SC1.1
33	DEMOLISH EXISTING PARKING SPACES
34	FULLY DEPRESSED CURB PER CITY SC1.1
35	RE-GRADE EXISTING PATHWAY ENSURING POSITIVE DRAINAGE FROM CURB CUT TO EX. STORMWATER STORAGE AREA
36	REPLACE EXISTING CURB
37	NEW METAL FENCE
38	PROVIDE SWALE ENSURING POSITIVE DRAINAGE TOWARDS CURB DEPRESSION

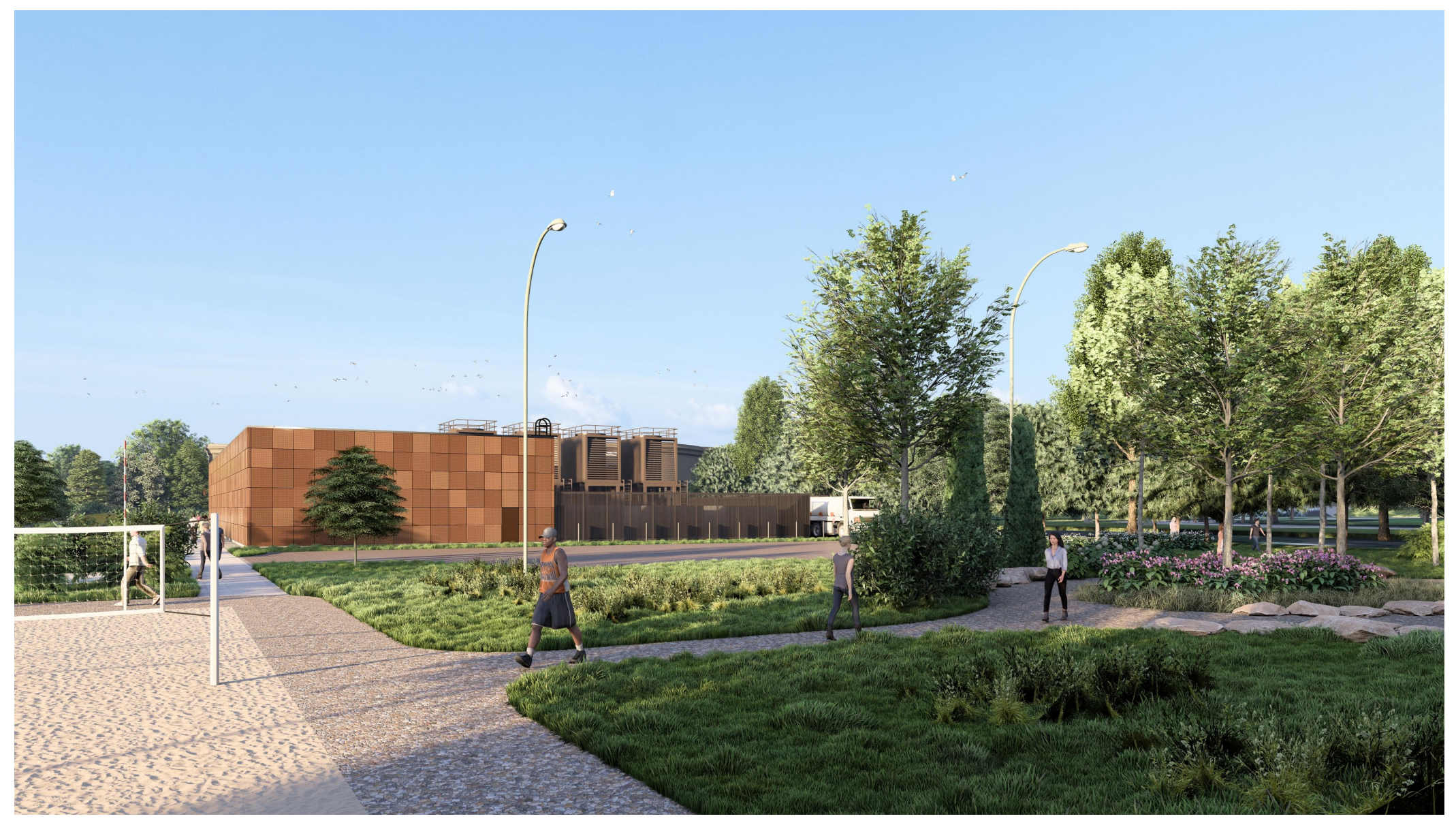
KEYNOTES

No.	Note Content
39	RAISED CONCRETE PADS, ENSURE POSITIVE DRAINAGE AWAY FROM BASE PAD
40	POTENTIAL FUTURE GENERATOR
41	RELOCATED BICYCLE RACK HERE, 20 TOTAL
42	NEW CONCRETE PAD FOR EXISTING SHED IN PARKING LOT
43	EXISTING EV CHARGING STATION TO BE RELOCATED
44	METAL ROOF ACCESS LADDER
45A	MAB - ELECTRICAL ENCLOSURE
45B	MAB - MECHANICAL ENCLOSURE
46	RELOCATE EXISTING EVACUATION SIGNAGE TO NEW MUSTER POINT LOCATION
47	NEW LANDSCAPED ISLAND
49	PHOTOVOLTAIC (PV) PANEL
50	EXPOSED CONDUIT FROM MAB TO OTTO1 TO BE CONCEALED ABOVE NEW CANOPY
51	COLOURED ROOF GRAVEL (BLACK TO WHITE)

Scale 1:200

0 5 10 20 m





This view shows a landscaped outdoor area with a mix of open green spaces, mature trees, and pedestrian pathways. In the background, the MAB with bronze-toned perforated panels and rooftop mechanical units contrasts with the natural setting. The foreground includes a sandy sports court with a volleyball net, while curved walkways and planted areas create a welcoming recreational environment.

The image depicts the MAB's flat roof and a patterned facade, characterized by clean geometric lines and a pergola-style entrance, set against a snowy backdrop

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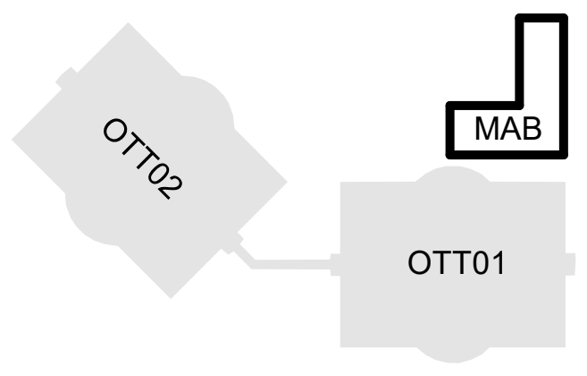
Arcadis Architects (Canada) Inc.



ISSUES

No.	DESCRIPTION	DATE
1	ISSUED FOR SPC ROUND 1	2025.12.12

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Ottawa, ON, K1N 5P9

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www.teecom.com

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FIRE SCIENCE & ENGINEERING
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Toronto, ON M3C 1W3

CBRE
340 Albert Street, Suite 1900
Ottawa, ON, K1R 7Y6

Matrix
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ON, K0A 2Z0

SEAL

Yazan Bilbeisi
Cisco MAB - Issued for SPC #1
Not for Construction
Dec. 12, 2025
YAZAN BILBEISI
LICENCE
10219

PRIME CONSULTANT

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Ottawa ON K1S 5N4 Canada
tel 613 225 1311
www.arcadis.com

PROJECT

Cisco Ottawa Campus
MAB
2000 Innovation Drive,
Kanata, ON K2K 3E8

PROJECT NO: MAB:30298433	APPLICATION NO: PC2025-0127
DRAWN BY: **ARCADIS**	CHECKED BY: **YB**
PROJECT MGR: **YB**	APPROVED BY: **TW**

SHEET TITLE
PROPOSED SITE PLAN &
GROUND LEVEL-ENLARGED

SHEET NUMBER AM-104
ISSUE 1

Autodesk Docs://Cisco - Ottawa Campus/146781-CISCO-A-MAB-R24.rvt

SCALE CHECK 10mm 1 in

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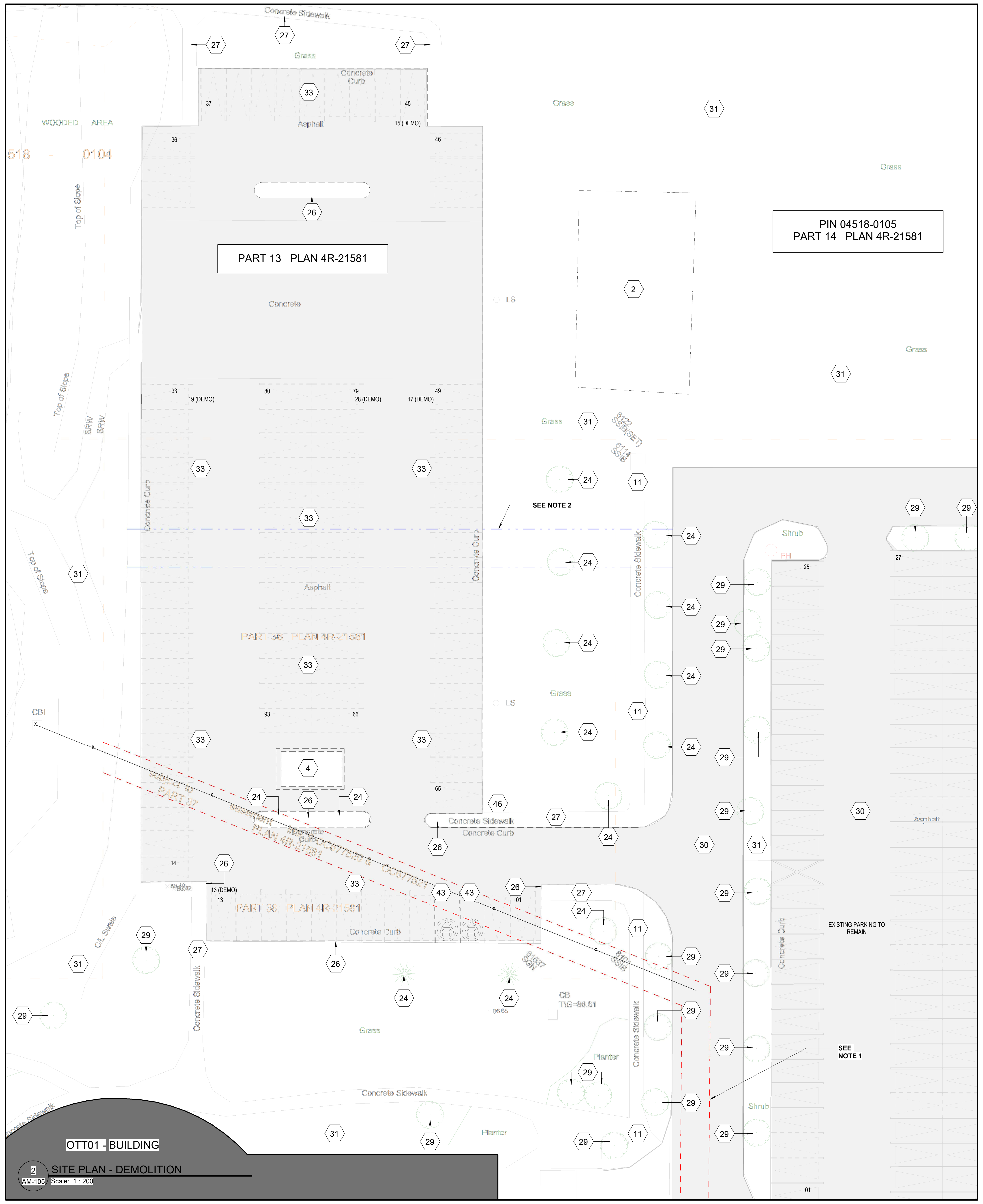
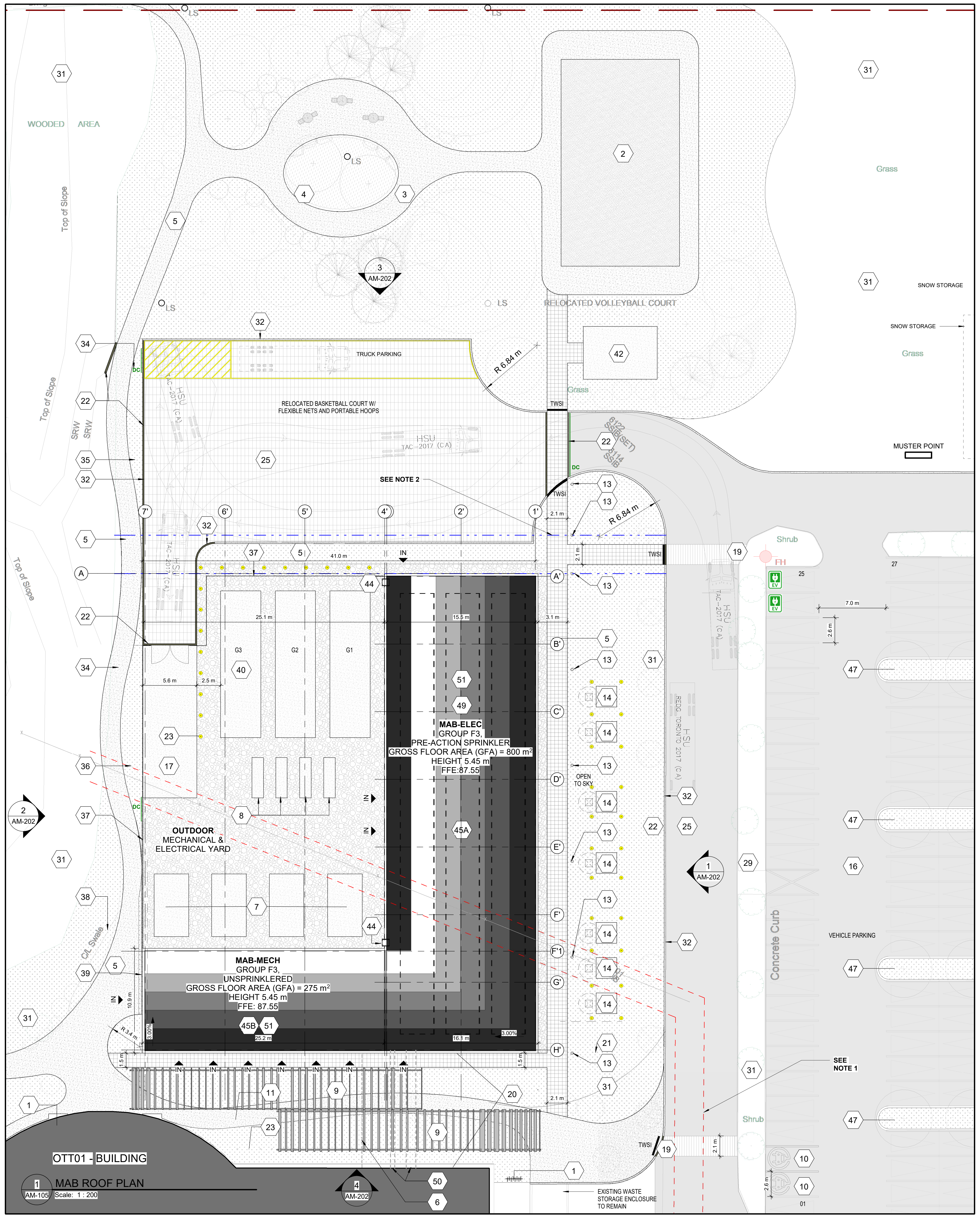


2 / AM-105 SITE PLAN - DEMOLITION
Scale: 1 : 200



1 / AM-105 MAB ROOF PLAN
Scale: 1 : 200

SITE LEGEND:

- PROPERTY LINE
- ZONING SETBACKS
- FIRE ACCESS ROUTE (FAR)
- PROPOSED SITE PLAN SCOPE OF WORK
- PRIVATE EASEMENT TO BE RELOCATED
- PROPOSED EASEMENT
- FH EXISTING FIRE HYDRANT
- FENCE
- BOLLARDS
- BIKE RACKS
- EXIT OR ENTRANCE
- EXTERIOR LIGHT BOLLARD
- WALL MOUNTED DOWN LIGHT - DARK SKY COMPLIANT

- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- EXISTING CONIFEROUS TREE
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- DMC / MC / DC **DMC / MC / DC - DEPRESSED / MOUNTABLE CURB / BARRIER CURB** ** PARKING AREAS AND ENTRANCES SHALL HAVE BARRIER CURBS

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- 200mm□ SAN **SANITARY SEWER**
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- T/G 104.35 INV 103.35 **REAR YARD "TEE" CATCHBASIN**
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- T/G 104.35 INV 103.35 **REAR YARD "CUSTOM ANGLED" CATCHBASIN**
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- **PERFORATED REAR YARD SUBDRAIN**
- 300mm□ CSP **CSP CULVERT C/W DIAMETER**
- VB **VALVE AND VALVE BOX**
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- HYD 104.35 **FIRE HYDRANT C/W BOTTOM**
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- 2 VBENDS **VERTICAL BEND LOCATION**
- **SIAMESE CONNECTION**
- Ⓜ **METER (IF REQUIRED)**
- RM **REMOTE METER (IF REQUIRED)**
- Ⓐ **WATER MAIN IDENTIFICATION (IF REQUIRED)**
- ① **PIPE CROSS IDENTIFICATION (IF REQUIRED)**
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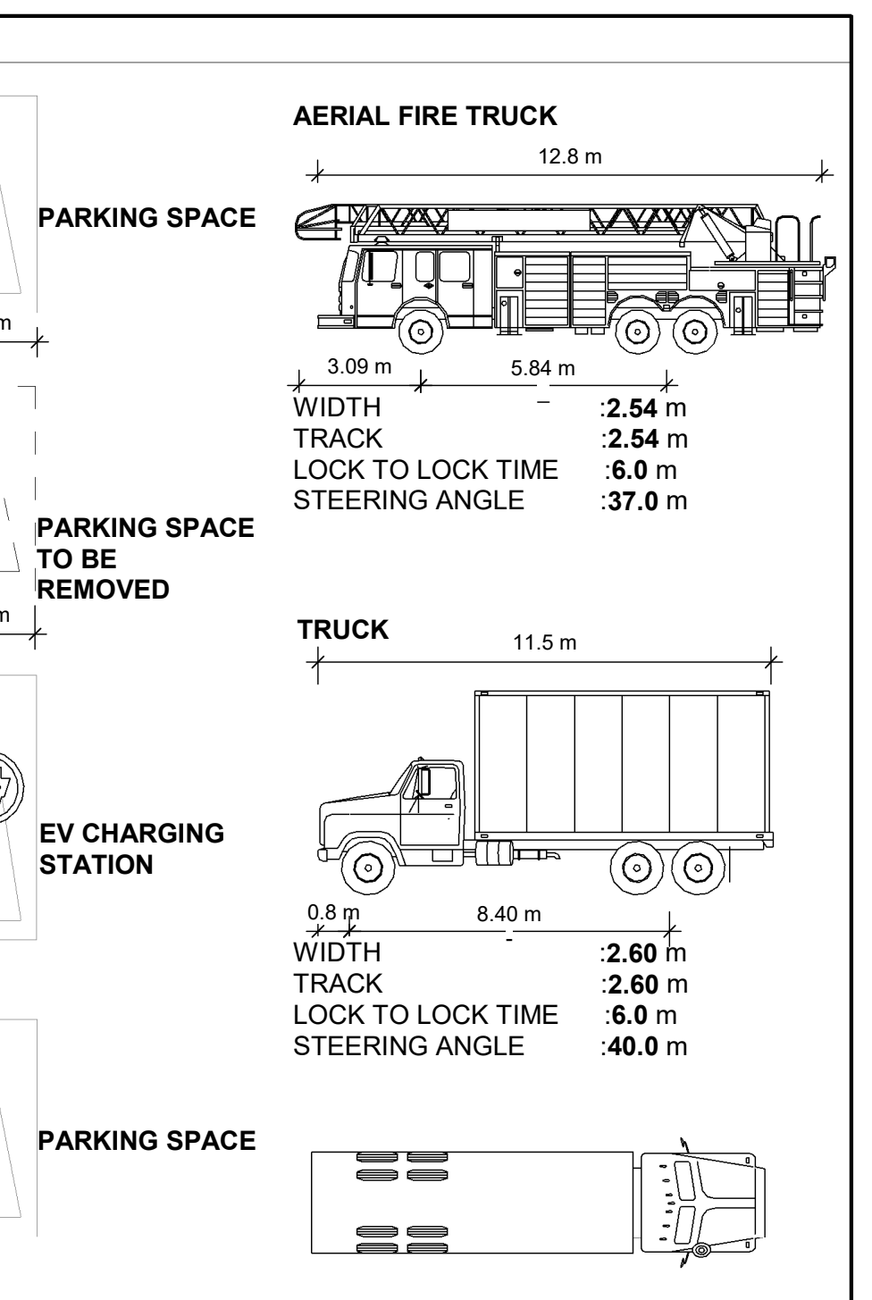
- **CLAY SEAL IN SEWER / WATERMAIN TRENCH**



AERIAL FIRE TRUCK

WIDTH :2.54 m
TRACK :2.54 m
LOCK TO LOCK TIME :6.0 m
STEERING ANGLE :37.0 m

TRUCK

WIDTH :2.60 m
TRACK :2.60 m
LOCK TO LOCK TIME :6.0 m
STEERING ANGLE :40.0 m

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7	FOUR COOLING TOWERS - SEE MECH.
8	PUMPS
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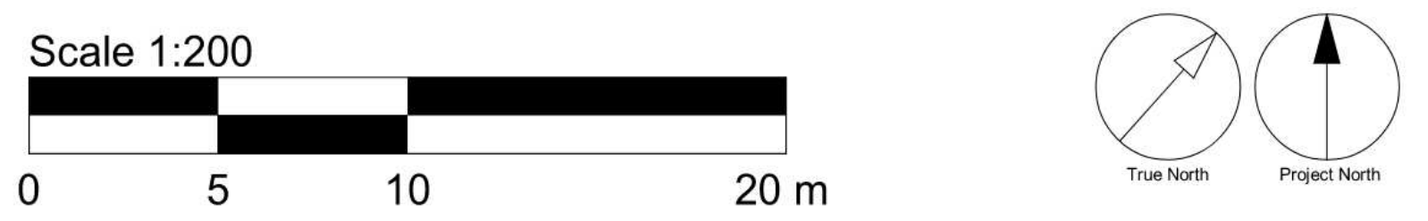
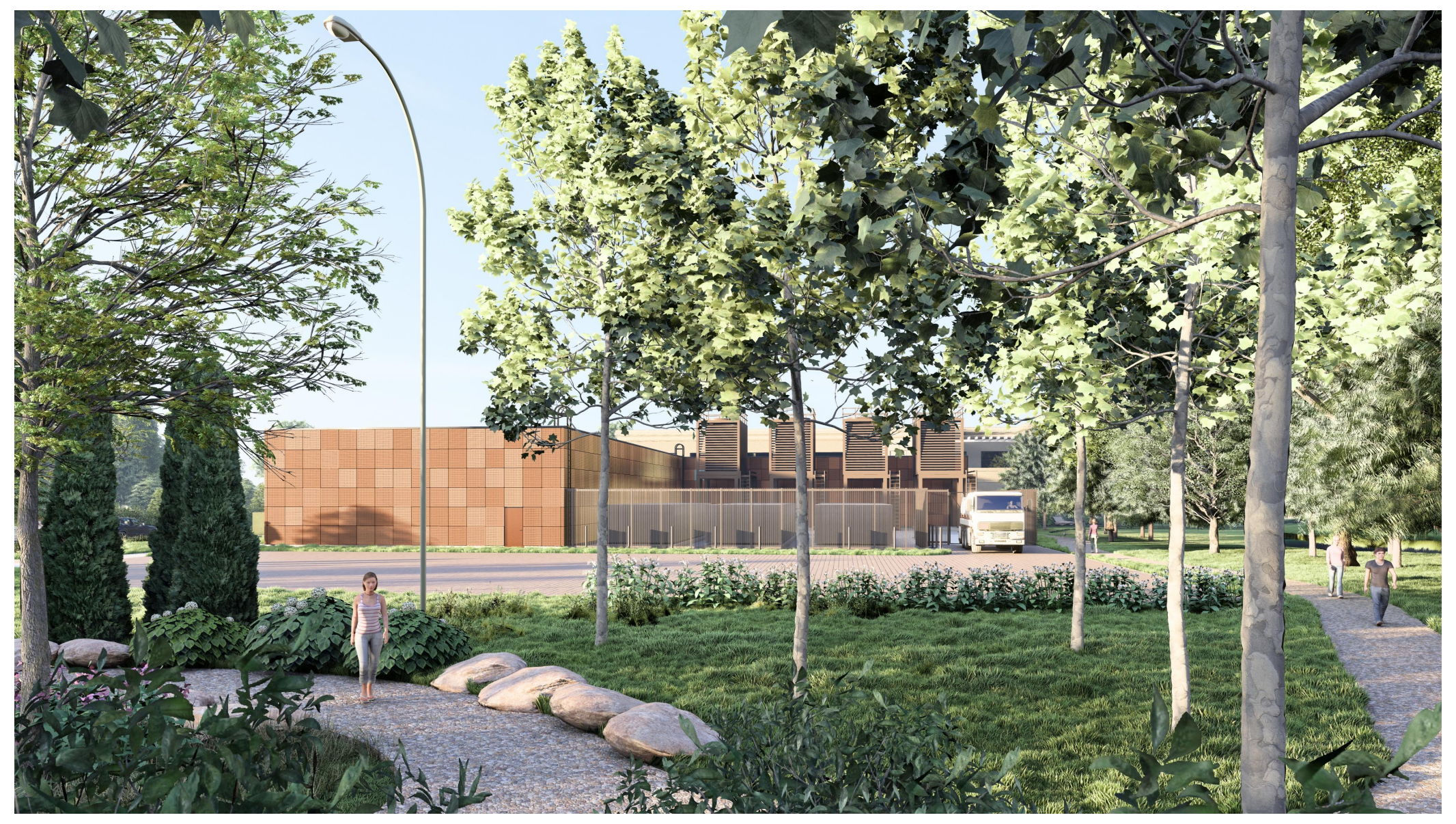
51	COLOURED ROOF GRAVEL (BLACK TO WHITE)

	EXISTING	REMAINING
CAR COUNT	COUNT INDICATES 20 SMALL SPACES, 24 BF SPACES,AND 757 PARKING SPACES PRESENT ON SITE	757-101=656
BICYCLE COUNT	20 (EXISTING TO REMAIN)	NA

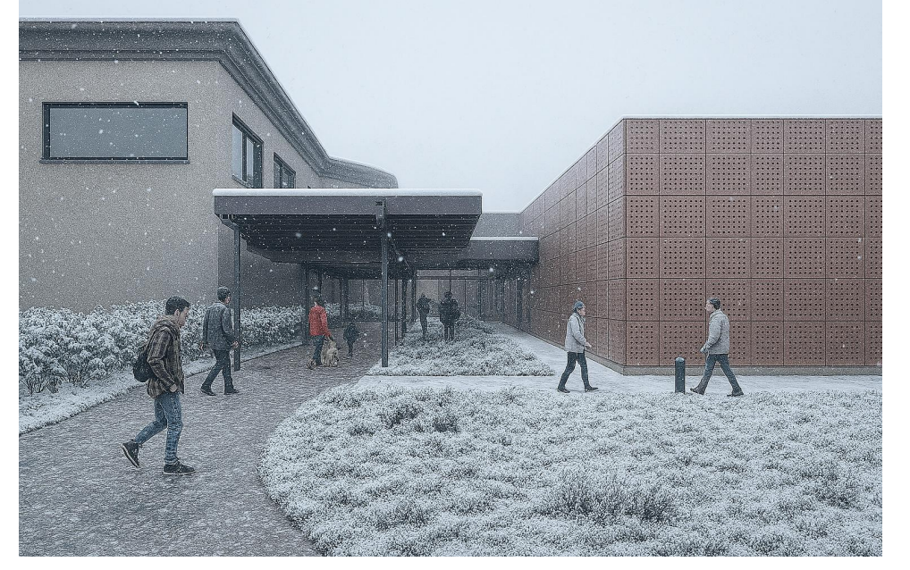




The view highlights a garden pathway framed by tall trees and natural stone accents, creating a tranquil setting. Dense greenery fills the foreground, while the bronze-toned building with perforated panels and rooftop equipment forms a striking backdrop. A service vehicle is visible near the building, adding functional context to the scene.

canopy and landscaped walkway lightly dusted with snow, under a gray winter sky with gentle snowfall.

A canopy connecting Ottawa 1 and the MAB, landscaped walkway dusted with snow, under a gray sky with gentle snowfall.



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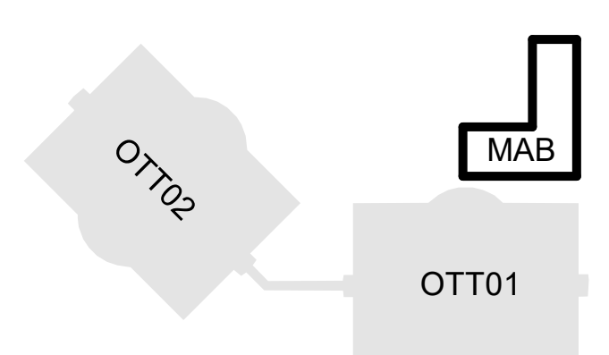
Arcadis Architects (Canada) Inc.



ISSUES

No.	DESCRIPTION	DATE
1	ISSUED FOR SPC ROUND 1	2025.12.12

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Yazan Bilbeisi
Cisco MAB - Issued for SPC #1
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10219

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tel 613 225 1311
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PROJECT

Cisco Ottawa Campus
MAB
2000 Innovation Drive,
Kanata, ON K2K 3E8

PROJECT NO:	APPLICATION NO:
MAB:30298433	PC2025-0127
DRAWN BY: **ARCADIS**	CHECKED BY: **YB**
PROJECT MGR: **YB**	APPROVED BY: **TW**

SHEET TITLE
SITE PLAN DEMO AND NEW

SHEET NUMBER
AM-105

ISSUE
1

Autodesk Docs://Cisco - Ottawa Campus/146781-CISCO-A-MAB-R24.rvt

SCALE CHECK 10mm 1 in

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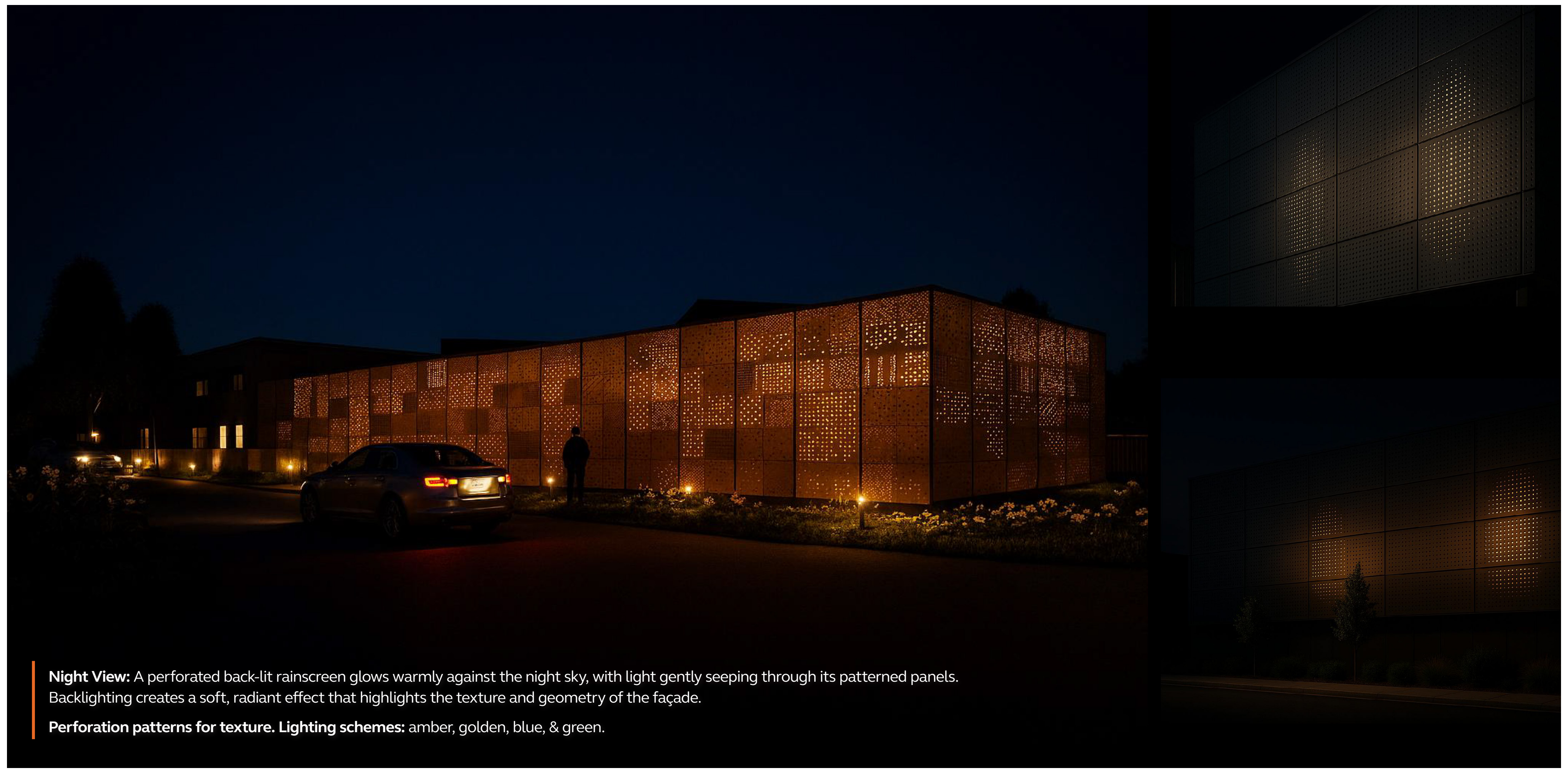
File No: PC2025-0127

Architectural Concept



Night View: A perforated back-lit rainscreen glows warmly against the night sky, with light gently seeping through its patterned panels. Backlighting creates a soft, radiant effect that highlights the texture and geometry of the façade.

Perforation patterns for texture. Lighting schemes: amber, golden, blue, & green.

Urban Context

The site, located in Kanata Business Park - Ottawa's west-end technology hub with over 540 companies including global IT, telecom, and cybersecurity leaders - informs massing, access, and views. It is highly visible and accessible from Innovation Drive, with circulation routes and adjacencies shaping façade articulation and service access.

Existing buildings feature a modern, low-rise campus design: flat roofs, large rectangular footprints, and symmetrical layouts around landscaped green spaces. Curved driveways and extensive parking reinforce accessibility and openness within the business park setting.

Design Implications

Summary of Architectural Design Implications for the Proposed MAB Project (per Kanata North Economic District Guidelines):

Mixed-Use & Walkability: Buildings should integrate residential, commercial, and employment spaces within Activity Centres to support an innovation ecosystem.

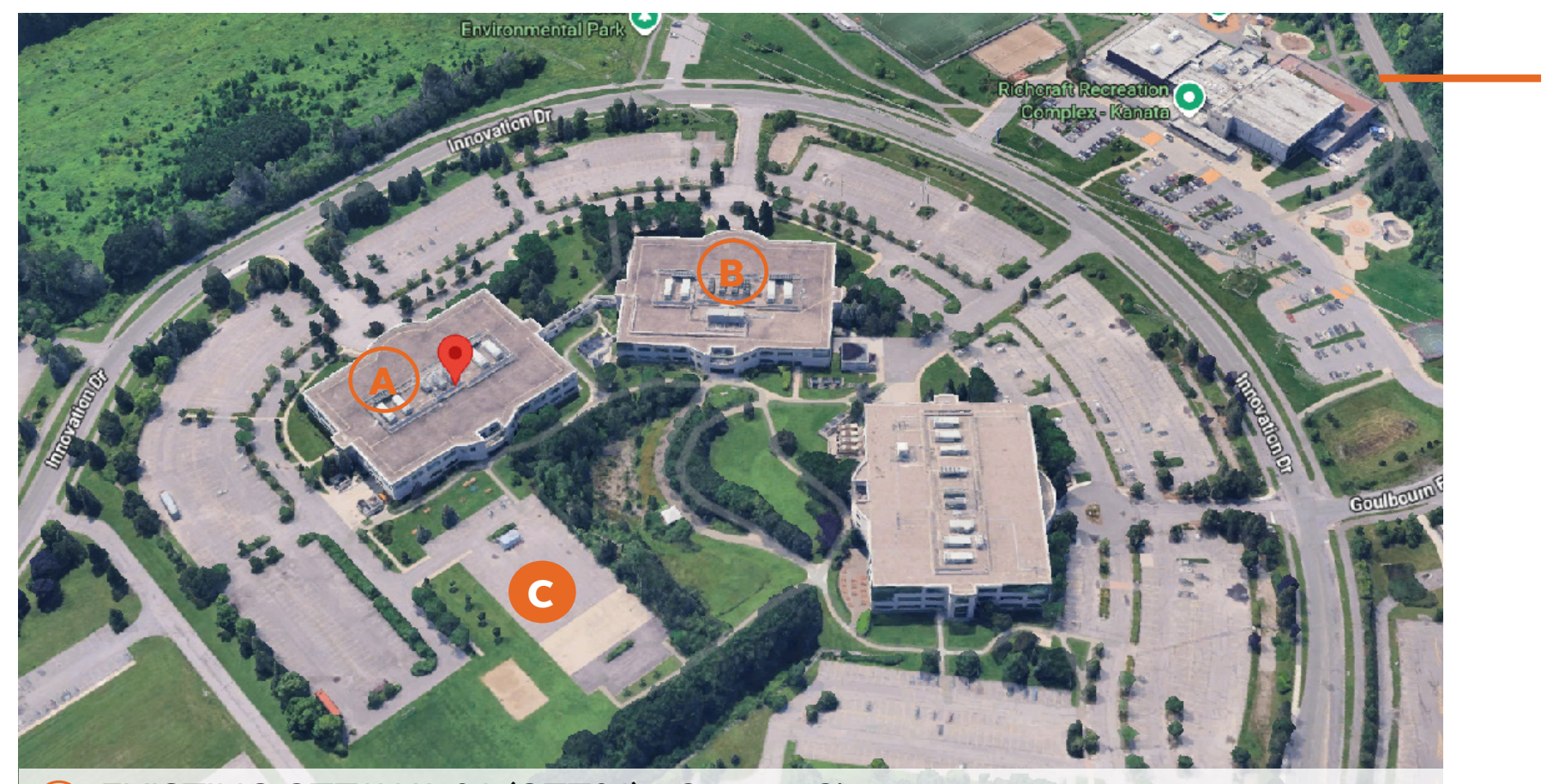
Human-Scale Design: Prioritize active street frontages, transparent ground floors, and continuous building edges to animate the public realm.

High-Rise Guidance: Step-backs, tower separation, and articulated façades are recommended for skyline quality and micro-climate mitigation — Not Applicable (N/A).

Sustainability: Ensure energy efficiency, preserve tree canopy, and connect with green spaces to promote climate resilience.

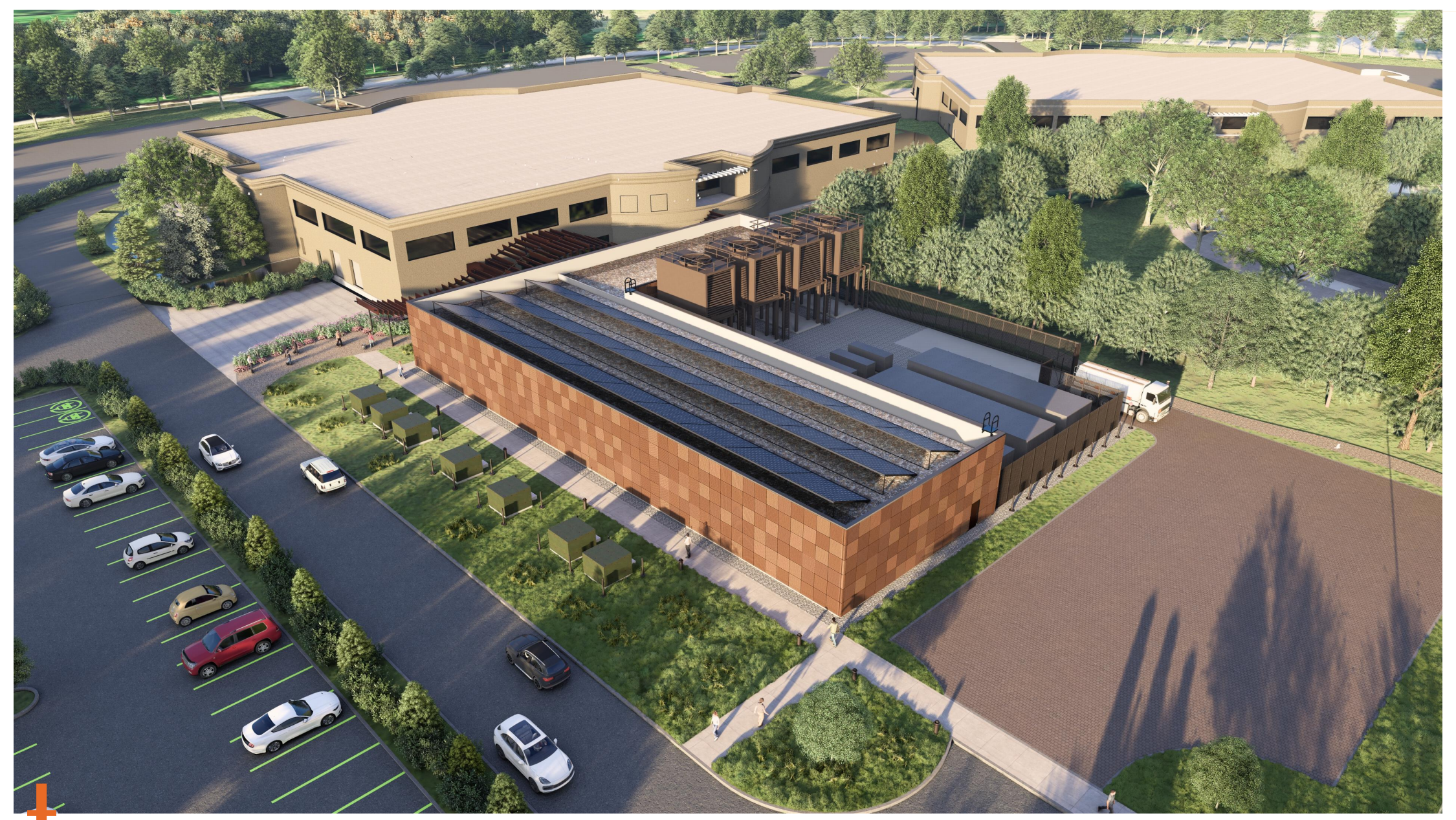
Future Mobility: Support transit proximity, structured parking, and adaptable layouts for evolving technologies and flexible land uses.

Aerial view of Kanata business park with multiple low-rise office buildings, large parking lots, tree-lined streets, and autumn foliage, with taller commercial buildings in the background.

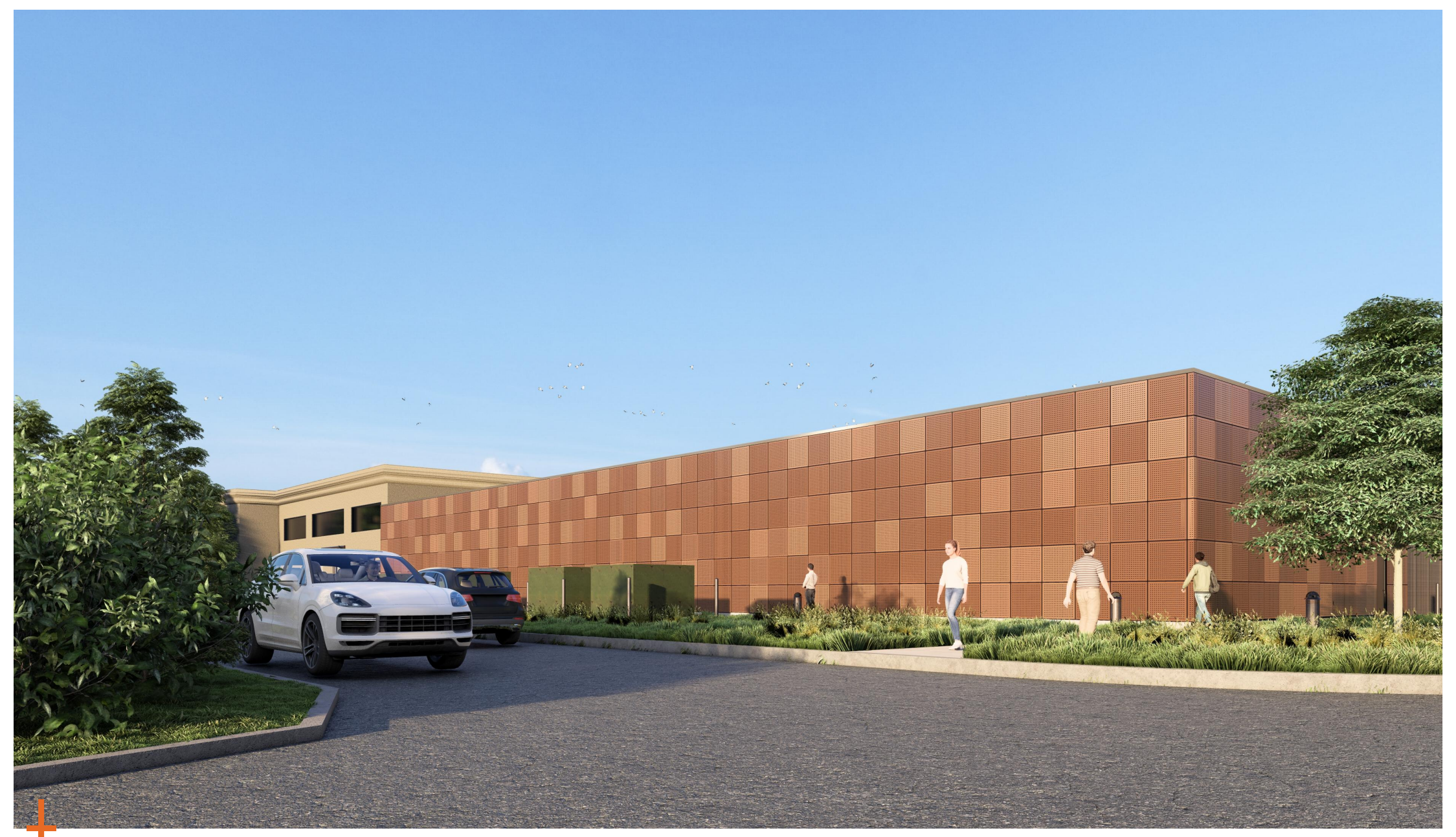


Ⓐ EXISTING OTTAWA 01 (OTT01) - Owner: Cisco
Ⓑ EXISTING OTTAWA 02 (OTT02) - Owner: Cisco
Ⓒ PROPOSED MAB (MECHANICAL AUXILIARY BUILDING) - Owner: Cisco

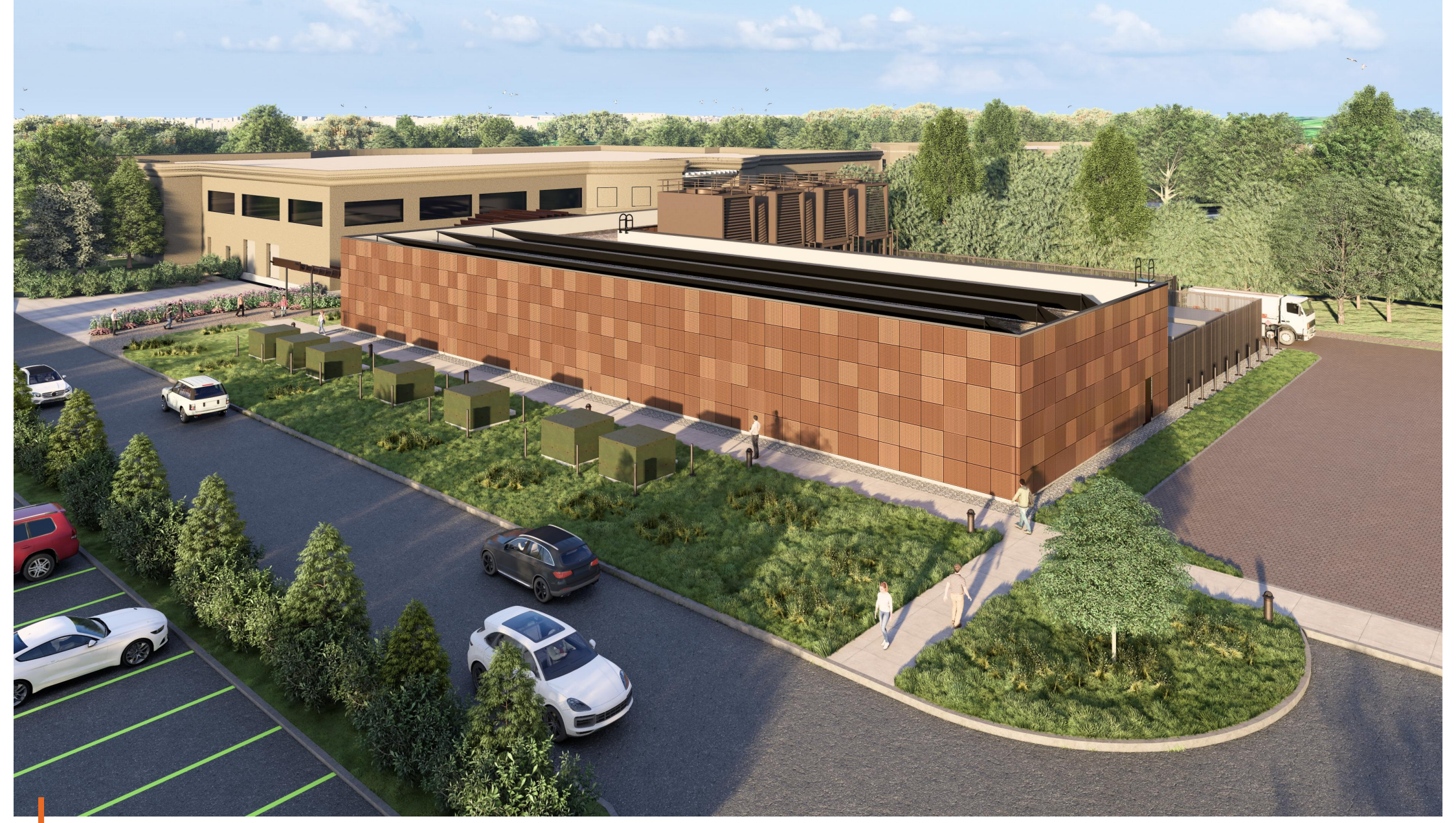
Kanata Business Park with two existing Cisco office buildings (A and B) and the proposed Mechanical Auxiliary Building (C) positioned for operational efficiency in the campus layout.



Aerial View: The design presents a contemporary industrial facility with rectilinear massing. The composition integrates rooftop-ready photo-voltaic cells with a landscaped perimeter and organized service zones, balancing technical performance with refined architectural expression.

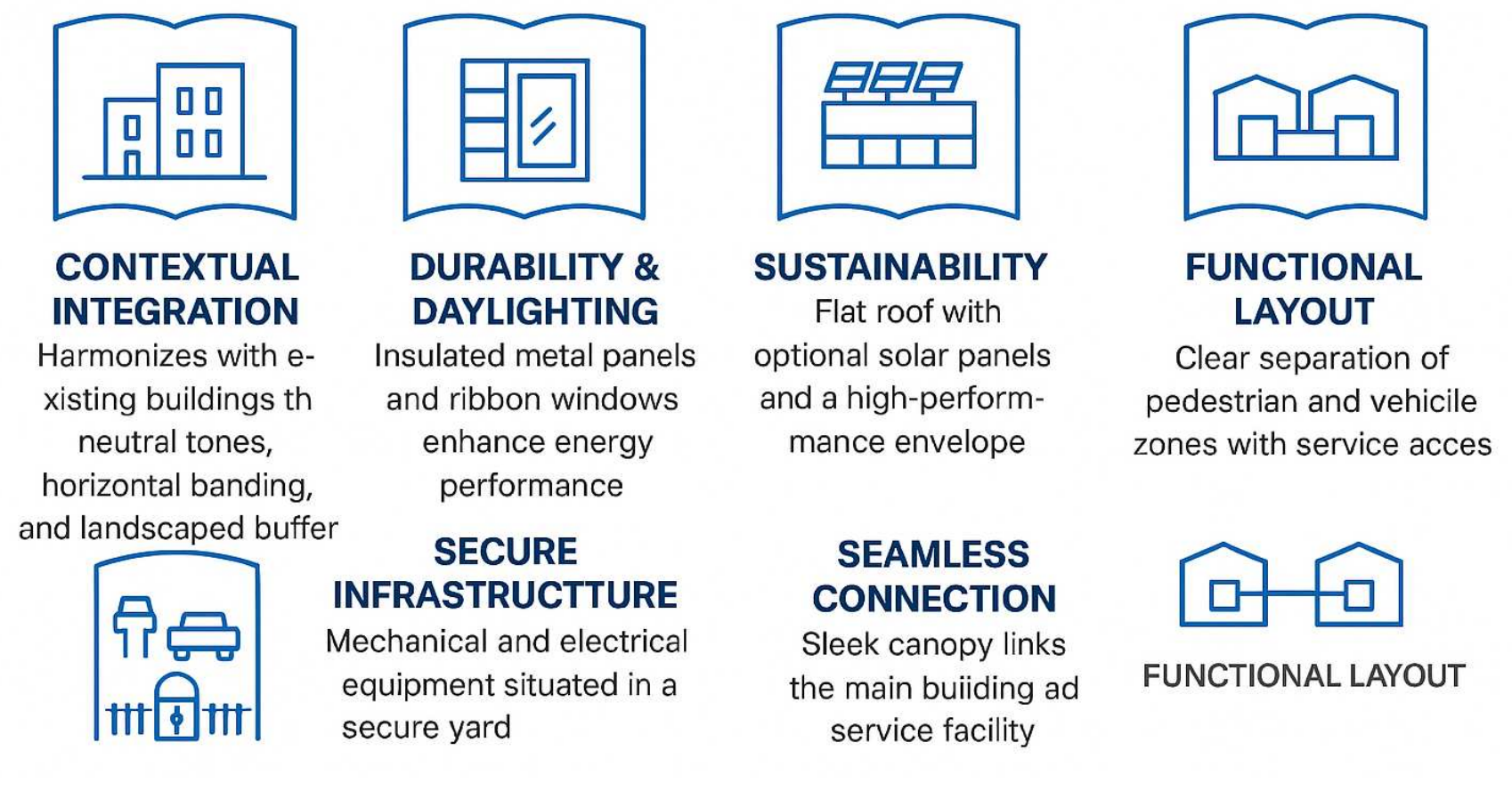


Pedestrian View: The façade consists of a series of perforated metal panels arranged in a uniform grid, creating a modern, textured appearance with subtle geometric patterns. The panels all share a perforated design, but the size and arrangement of the holes vary across panels.



Birds eye view: The design features a modern rectangular building with a patterned perforated rainscreen façade in bronze-like earthy tones, creating a contemporary look. It is set within a landscaped area with greenery, parking spaces, and a wide service driveway for access.

Design Approach



CONTEXTUAL INTEGRATION
Harmonizes with e-xisting buildings th neutral tones, horizontal banding, and landscaped buffer

DURABILITY & DAYLIGHTING
Insulated metal panels and ribbon windows enhance energy performance

SUSTAINABILITY
Flat roof with optional solar panels and a high-perform-mance envelope

FUNCTIONAL LAYOUT
Clear separation of pedestrian and vehicile zones with service acces

SECURE INFRASTRUCTTURE
Mechanical and electrical equipment situated in a secure yard

SEAMLESS CONNECTION
Sleek canopy links the main buiiding ad service facility

FUNCTIONAL LAYOUT

Contextual Integration

- Match OTT01+02 neutral tones and clean lines for harmony.
- Emphasize horizontal elements to complement low-rise form.
- Add landscaping buffers for smooth transition.

Facade Concept

- Material: Perforated Rainscreen System for durability and efficiency.
- Horizontal banding with subtle color variation for simplicity.

Roof Design

- Flat roof with parapet aligned to existing building; no rooftop equipment.

Functional Layout

- Service bays face parking for easy access.
- Pedestrian entry at landscaped edge; separation of vehicle & pedestrian paths.

Sustainability

- High-performance envelope with thermal breaks.
- Optional PV solar panels.

Connection & Detailing

- Sleek canopy linking new and existing buildings.
- Narrow horizontal ribbon windows for daylight/security.
- Light concrete base trim for durability; shrubs for edge softening.

Mechanical & Electrical

- 3 generators, 4 diesel tanks, 4 cooling towers, 7 Hydro Ottawa transformers, yard fence, and service access zone.

Design Concept

The proposed rainscreen system features a modular grid of perforated panels in warm, bronze-like tones, and texture evoke a sense of depth and craftsmanship while maintaining a contemporary aesthetic. This design balances durability and elegance, offering both functional performance and visual richness for modern architectural applications.

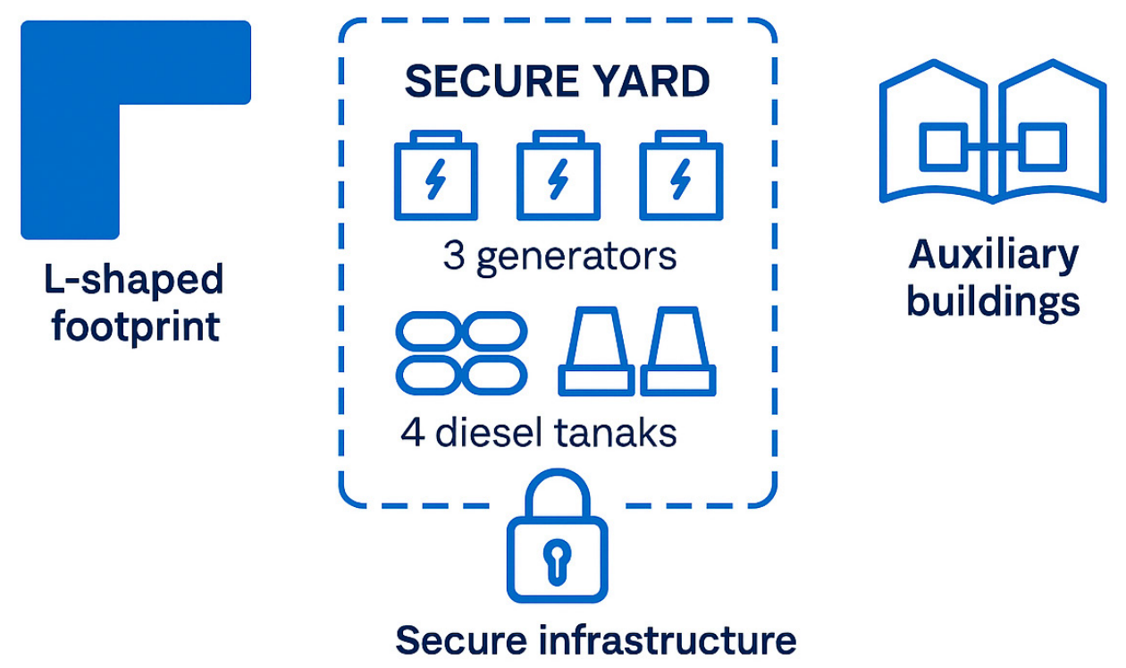
Design Approach Legend

1. **Contextual Integration**
   Neutral tones, horizontal emphasis, and landscaping for harmony
2. **Facade Concept**
   Insulated metal panels, horizontal banding, and ribbon windows for daylight and security
3. **Roof Design**
   Flat roof with parapet; optonal solar panels for sustainability
4. **Sustainability Features**
   High-performance envelope and PV panels for energy efficiency
5. **Connection**
   Sleek canopy linking buildings, concrete base trim, and integerated landscaping
6. **Mechanical & Electrical Services**
   Secure yard with generators, cooling towers, diesel tanks, and transformers

The service yard uses an L-shaped footprint to house mechanical and electrical auxiliary buildings, creating a secure outdoor zone for 3 generators, 4 diesel tanks, and 4 cooling towers within a square enclosure. This efficient, compact layout consolidates critical infrastructure while ensuring operational access and reducing visual clutter. By defining a clear perimeter, the design reinforces order and containment, integrating the technical core seamlessly with the overall site composition.

Harmonizing with existing architecture, using durable and energy-efficient materials, and integrating sustainability through solar-ready roofs and high-performance envelopes. It also emphasizes functional layouts, secure infrastructure, and seamless connections to create an efficient, future-ready facility.

Functional Programming



L-shaped footprint

SECURE YARD
3 generators
4 diesel tanaks

Secure infrastructure

Auxiliary buildings

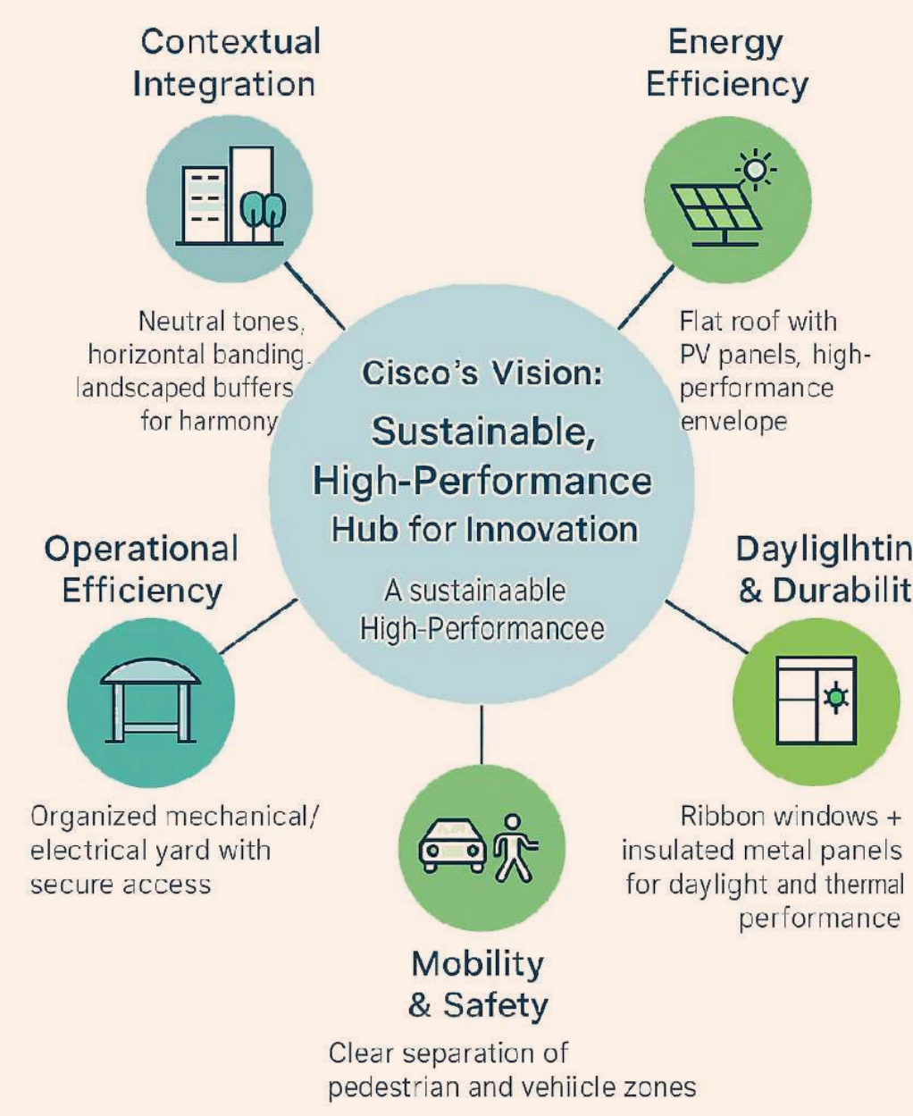
Key Design Principals

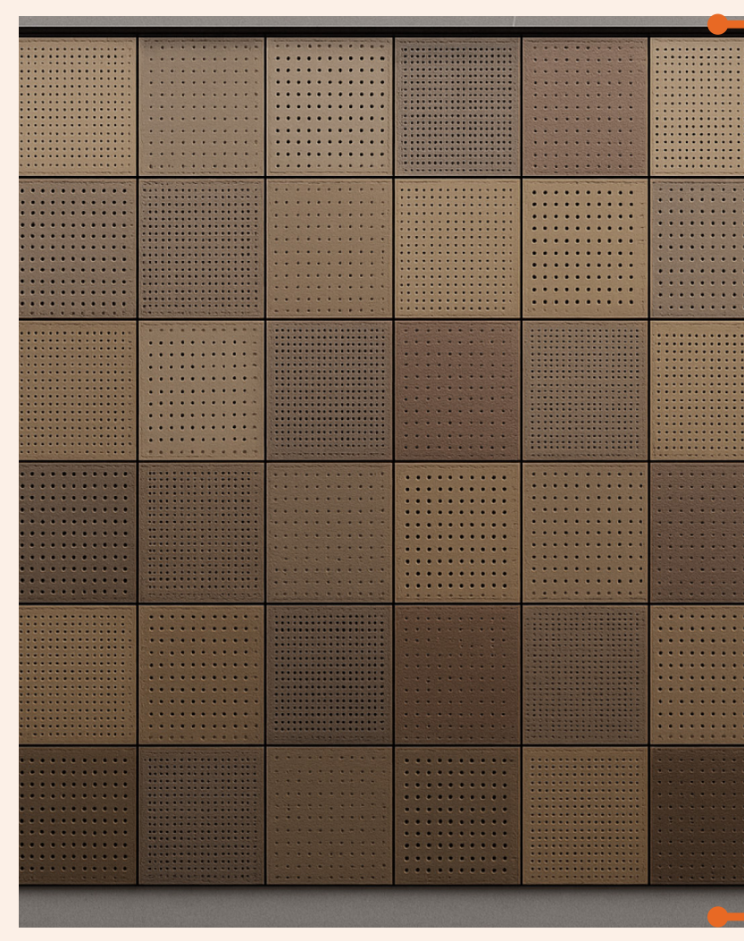
Harmonizing with existing architecture
Durable and energy-effici-ent materials
Sustainability
Functional layouts
Secure infrastructure
Seamless connections
Seameless connections

Sustainability

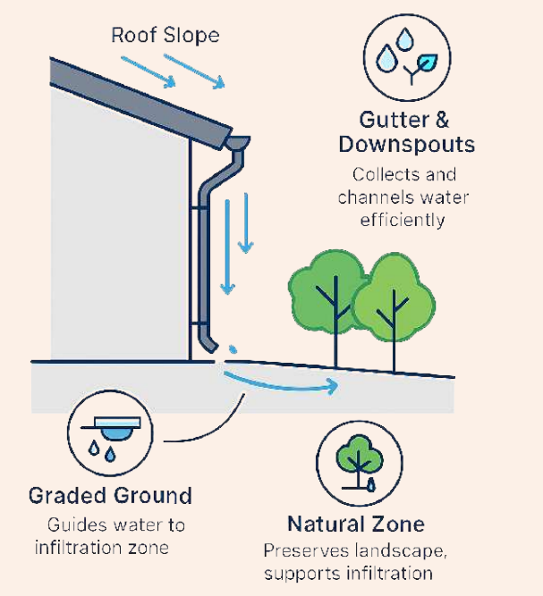
Advancing Cisco's Vision

A Sustainable, High-Performance Hub for Innovation in Ottawa: The proposed design emphasizes contextual integration and operational efficiency while maintaining a strong visual connection to the existing OTT01 and OTT02 buildings. Neutral tones, horizontal banding, and landscaped buffers create harmony with the current campus, while insulated metal panels and ribbon windows deliver durability, daylighting, and energy performance. A flat roof with solar panels and a high-performance envelope reinforces sustainability, and the functional layout ensures clear separation of pedestrian and vehicle zones with convenient service access. Mechanical and electrical infrastructure is organized in a secure yard, complemented by a sleek canopy connection to the main building for seamless integration.


Contextual Integration
Neutral tones, horizontal banding, landscaped buffers for harmony
Energy Efficiency
Flat roof with PV panels, high-performance envelope
Cisco's Vision:
Sustainable, High-Performance Hub for Innovation
A sustainaable High-Performancee
Operational Efficiency
Organized mechanical/ electrical yard with secure access
Dayliglhting & Durability
Ribbon windows + insulated metal panels for daylight and thermal performance
Mobility & Safety
Clear separation of pedestrian and vehiicle zones



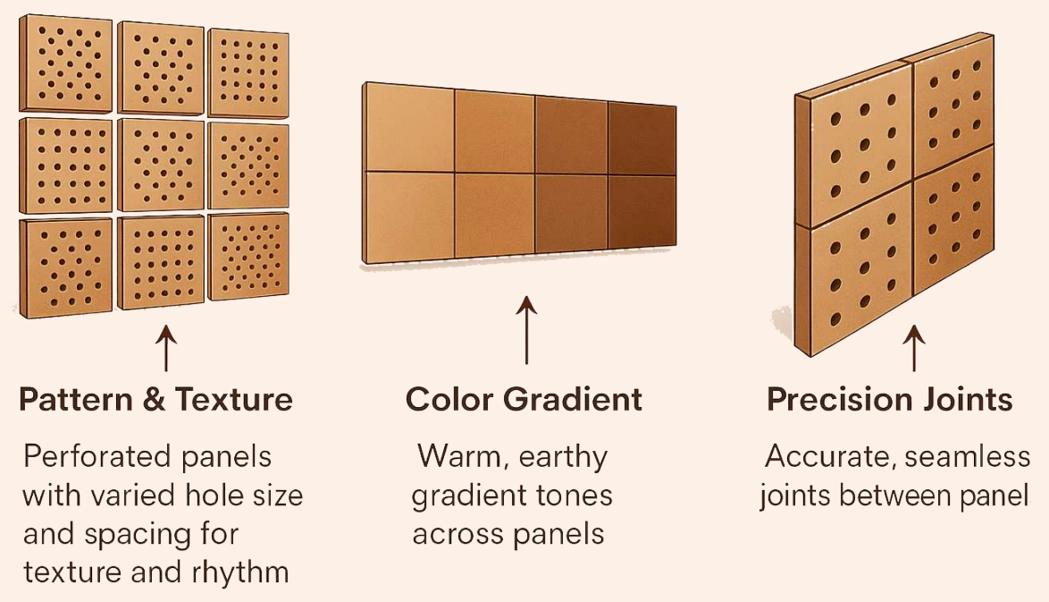
Efficient Rooftop Water Management


Roof Slope
Gutter & Downspouts
Collects and channels water efficiently
Graded Ground
Guides water to infiltration zone
Natural Zone
Preserves landscape, supports infiltration

The proposed 0.3 m high concrete base complements the precast panel system of the existing building, ensuring visual continuity and structural integrity. Concrete provides a durable and stable foundation for the rainscreen, capable of resisting freeze-thaw cycles and de-icing salts common in Ottawa's harsh winters. This approach enhances longevity while maintaining a cohesive architectural expression between new and existing elements.

Perforated Panel Design Features

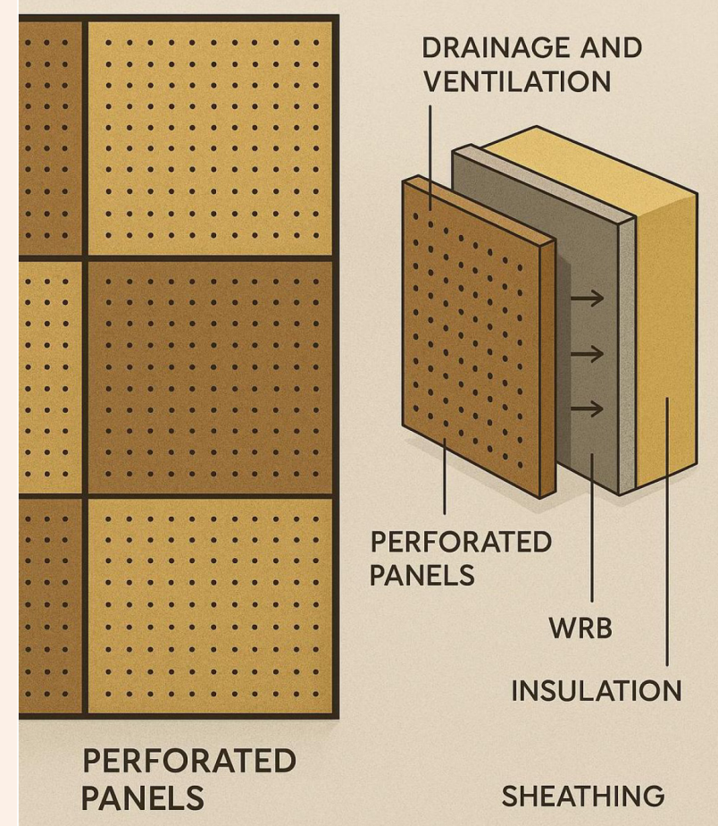
Modular rainscreen system. Perforated square panels in bronze-like tones.



Pattern & Texture
Perforated panels with varied hole size and spacing for texture and rhythm

Color Gradient
Warm, earthy gradient tones across panels

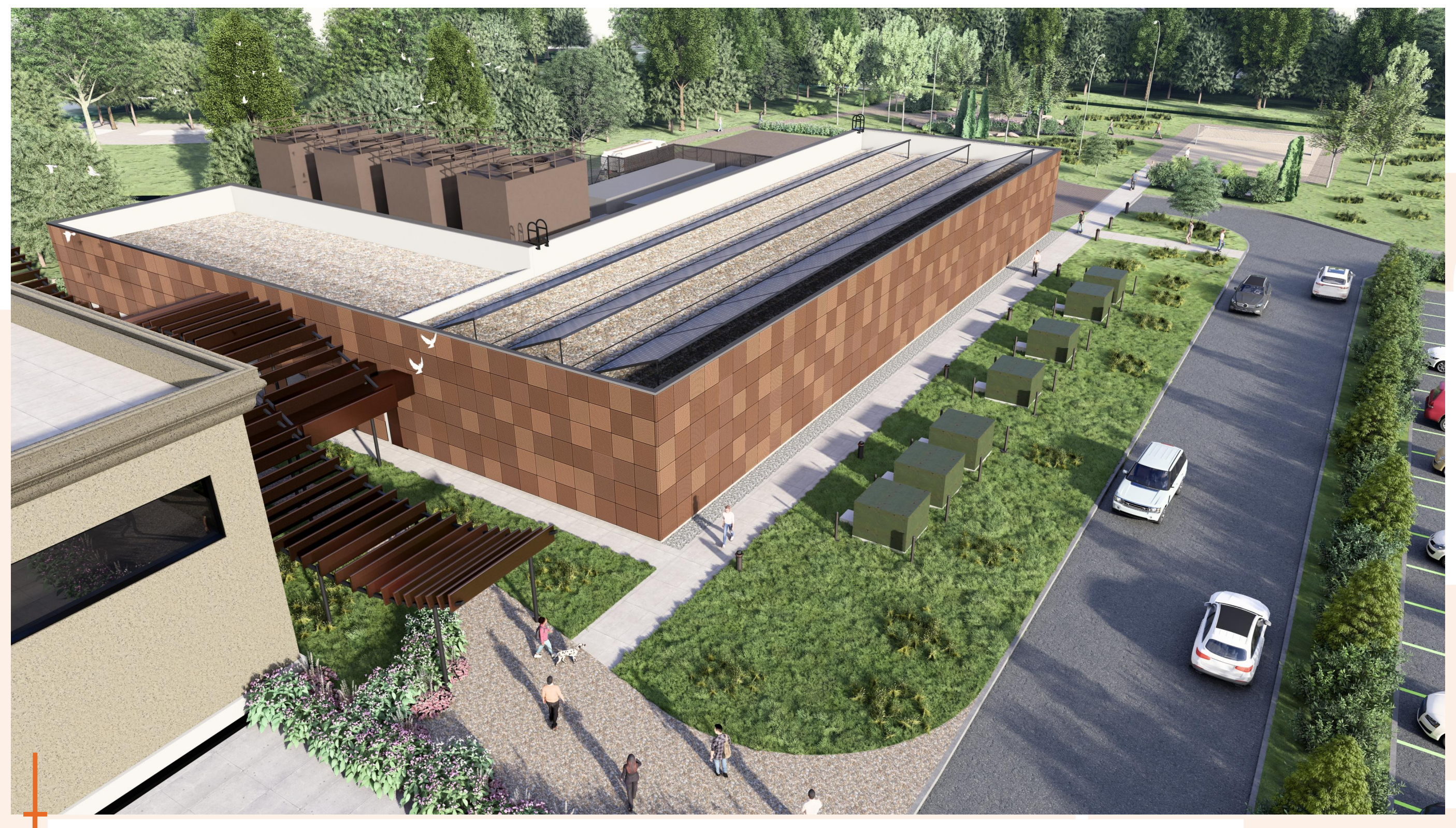
Precision Joints
Accurate, seamless joints between panel



Left image: There is a close-up view of the façade pattern, showing square panels in alternating shades of brown and tan, each with a grid of small perforations for ventilation and aesthetic texture.

Right image: A diagram details the assembly layers:

- Perforated panels as the outer rainscreen layer
- Drainage and ventilation cavity behind the panels
- WRB (Weather-Resistant Barrier) for moisture protection
- Insulation for thermal performance
- Sheathing as the structural backing



3D view: A modern, rectangular building with a patterned brown facade and rooftop mechanical units is surrounded by landscaped greenery and a paved parking area. The design features a shaded entrance walkway and organized outdoor utility structures along the side.

MIXED-USE

HUMAN-SCALE

MOBILITY & CONNECTIVITY

SUSTAINABILITY

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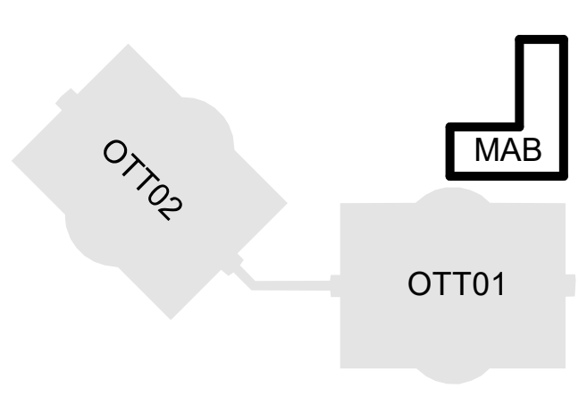

ISSUES

No.	DESCRIPTION	DATE
1	ISSUED FOR SPC ROUND 1	2025.12.12

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Kanata, ON K2K 3E8

PROJECT NO: MAB:30298433	APPLICATION NO: PC2025-0127
DRAWN BY: **ARCADIS**	CHECKED BY: **YB**
PROJECT MGR: **YB**	APPROVED BY: **TW**

SHEET TITLE
ARCHITECTURAL CONCEPT

SHEET NUMBER
AM-201

ISSUE
1

Autodesk Docs://Cisco - Ottawa Campus/146781-CISCO-A-MAB-R24.rvt

SCALE CHECK
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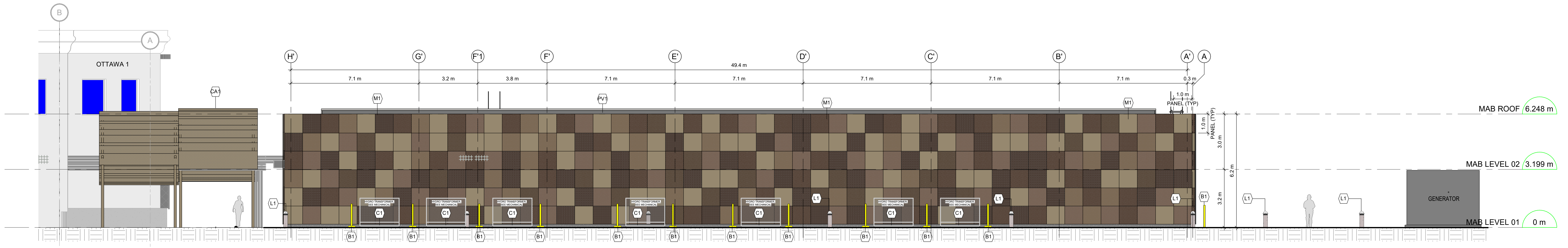

1 AM-202 MAB BLDG ELEVATION - EAST FACE
Scale: 1 : 100

Scale 1:100
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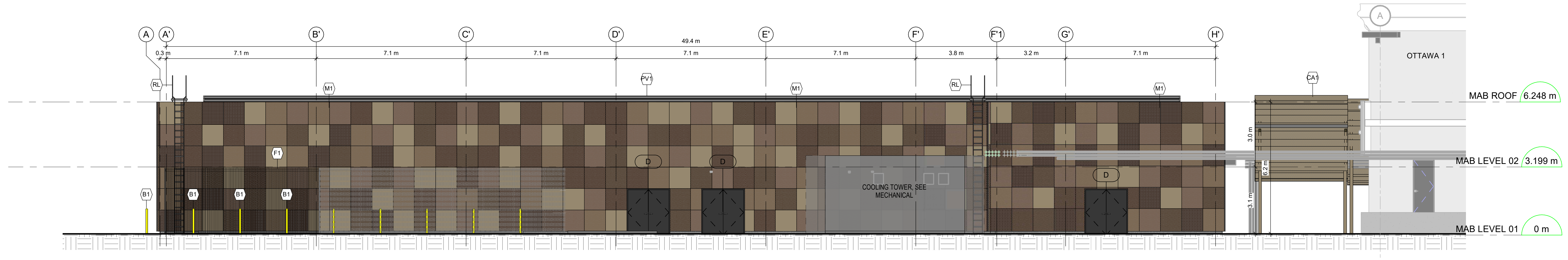


2 AM-202 MAB BLDG ELEVATION - WEST FACE
Scale: 1 : 100

Scale 1:100
0 2.5 5 10 m

Bird-Safe Grate Design Requirements

MAXIMUM OPENING SIZE (POROSITY):

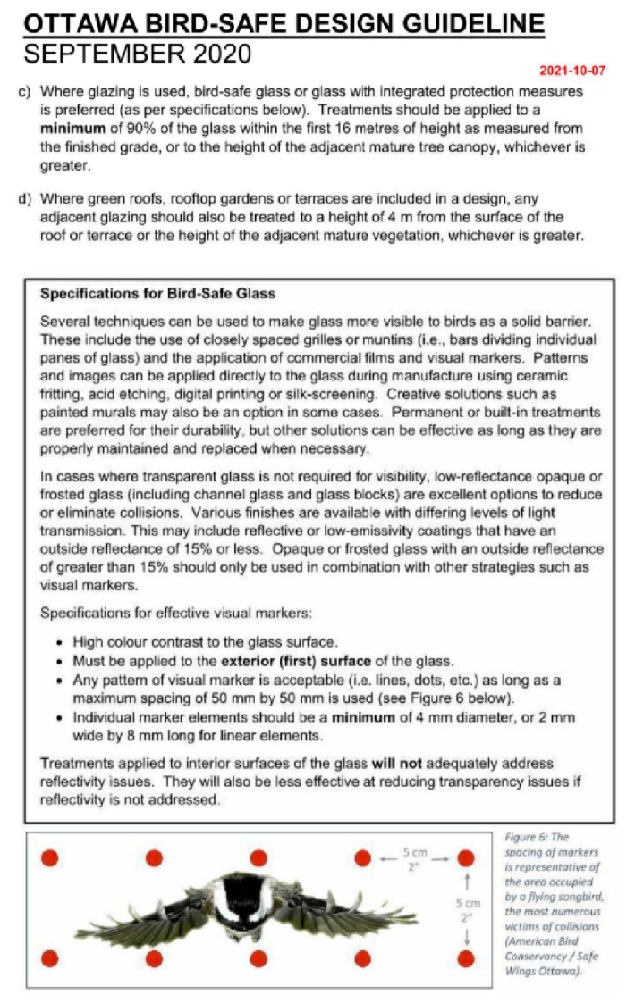
- 20 MM × 20 MM
- OR 10 MM × 50 MM

These dimensions prevent small birds from getting trapped or injured in grates.

APPLICABLE TO:

- VENTILATION GRATES
- PIPE GRATES
- ANY GRADE-LEVEL OR BUILDING-INTEGRATED GRATING NEAR VEGETATION OR OPEN AREAS

- AVOID REFLECTIVE SURFACES NEAR GRATES (BIRDS MAY FLY TOWARD REFLECTIONS).
- USE NON-REFLECTIVE FINISHES AND VISUAL MARKERS ON ADJACENT GLASS.
- INTEGRATE GRATES FLUSH WITH SURFACES TO AVOID CREATING LEDGES OR GAPS THAT ATTRACT NESTING.



OTTAWA BIRD-SAFE DESIGN GUIDELINE
SEPTEMBER 2020
2021-10-07

c) Where glazing is used, bird-safe glass or glass with integrated protection measures is preferred (as per specifications below). Treatments should be applied to a **minimum** of 90% of the glass within the first 16 metres of height as measured from the finished grade, or to the height of the adjacent mature tree canopy, whichever is greater.

d) Where green roofs, rooftop gardens or terraces are included in a design, any adjacent glazing should also be treated to a height of 4 m from the surface of the roof or terrace or the height of the adjacent mature vegetation, whichever is greater.

Specifications for Bird-Safe Glass

Several techniques can be used to make glass more visible to birds as a solid barrier. These include the use of closely spaced grilles or muntins (i.e., bars dividing individual panes of glass) and the application of commercial films and visual markers. Patterns and images can be applied directly to the glass during manufacture using ceramic fritting, acid etching, digital printing or silk-screening. Creative solutions such as painted murals may also be an option in some cases. Permanent or built-in treatments are preferred for their durability, but other solutions can be effective as long as they are properly maintained and replaced when necessary.

In cases where transparent glass is not required for visibility, low-reflectance opaque or frosted glass (including channel glass and glass blocks) are excellent options to reduce or eliminate collisions. Various finishes are available with differing levels of light transmission. This may include reflective or low-emissivity coatings that have an outside reflectance of 15% or less. Opaque or frosted glass with an outside reflectance of greater than 15% should only be used in combination with other strategies such as visual markers.

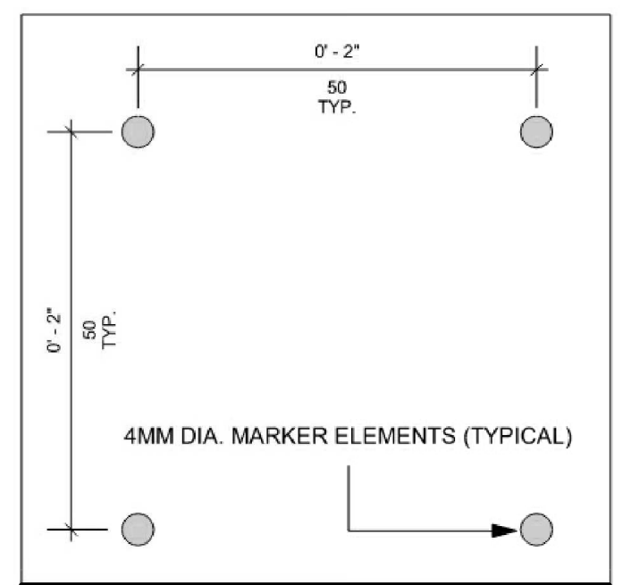
Specifications for effective visual markers:

- High colour contrast to the glass surface.
- Must be applied to the **exterior (first) surface** of the glass.
- Any pattern of visual marker is acceptable (i.e. lines, dots, etc.) as long as a maximum spacing of 50 mm by 50 mm is used (see Figure 6 below).
- Individual marker elements should be a **minimum** of 4 mm diameter, or 2 mm wide by 8 mm long for linear elements.

Treatments applied to interior surfaces of the glass **will not** adequately address reflectivity issues. They will also be less effective at reducing transparency issues if reflectivity is not addressed.

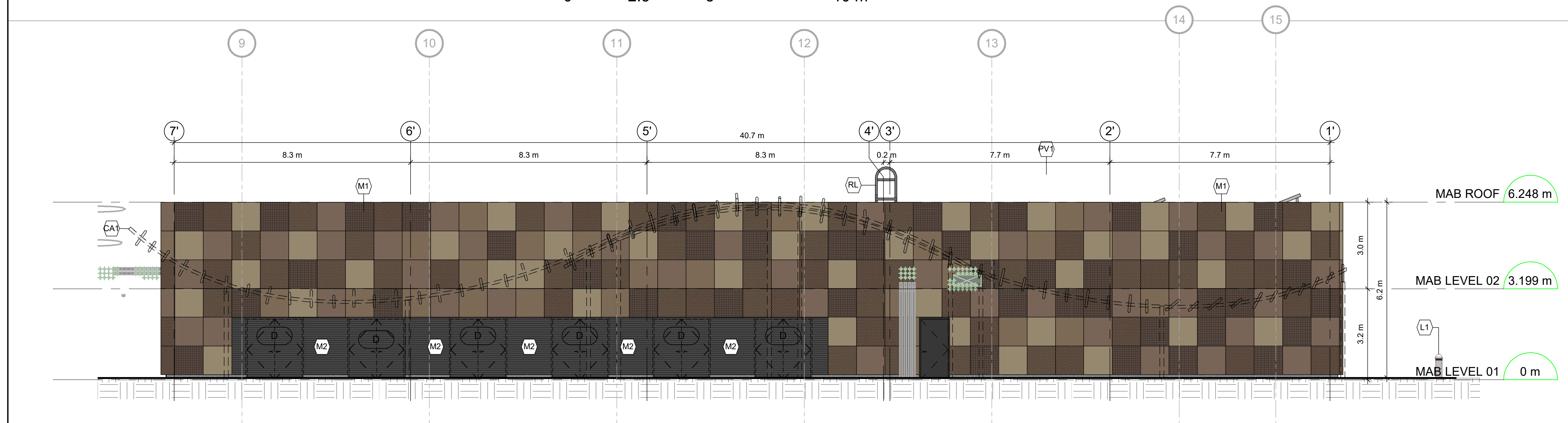
5 cm 2"
5 cm 2"

Figure 6: The spacing of markers is representative of the area occupied by a flying songbird, the most numerous victims of collisions (American Bird Conservancy / Safe Wings Ottawa).



FRIT PATTERN
- THREAT FACTOR 24
- COLOUR:
V951 WHITE
- 1/8" DOTS (SCREEN 5006); 40% COVERAGE

View from Ottawa 1's secondary entrance reveals a curving pathway bordered by greenery and trees. The bronze-toned perforated facade of the MAB runs along the right side, adding contrast to the natural setting.



4 AM-202 MAB BLDG ELEVATION - SOUTH FACE
Scale: 1 : 100

Scale 1:100
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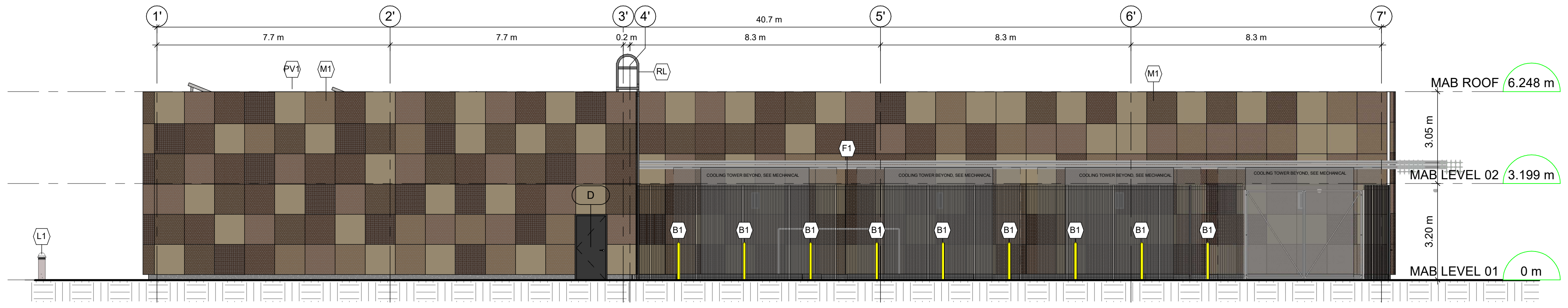
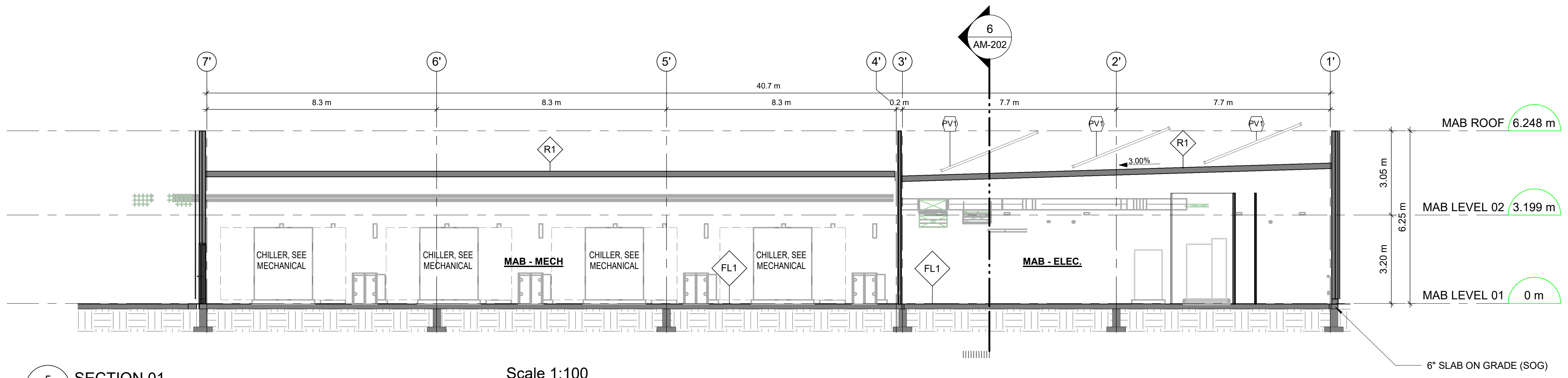


3 AM-202 MAB BLDG ELEVATION - NORTH FACE
Scale: 1 : 100



5 AM-202 SECTION 01
Scale: 1 : 100

Scale 1:100
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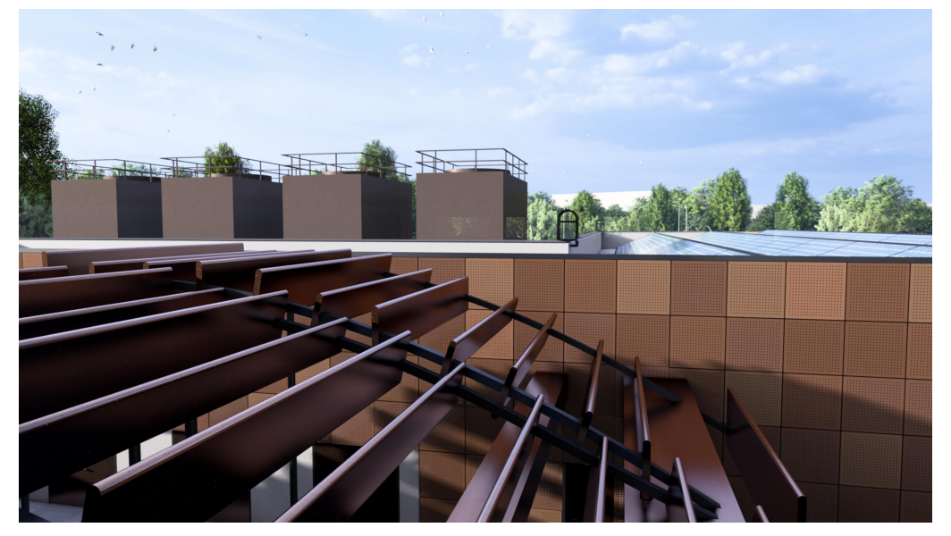
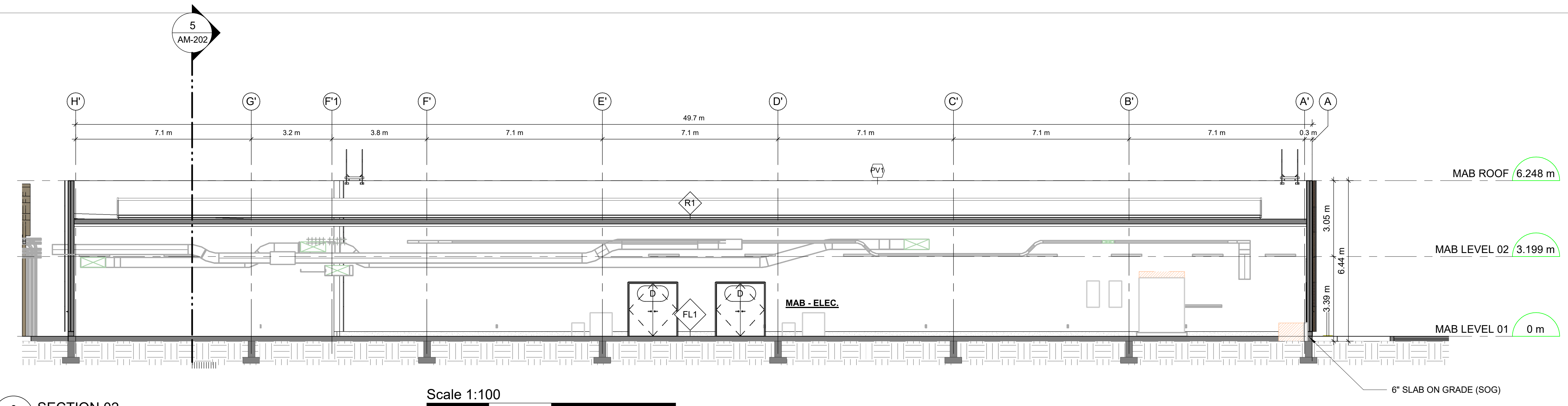


This view from the second floor of Ottawa 1 overlooks structural steel beams forming a canopy in the foreground. Behind them, the bronze-toned perforated facade and multiple rooftop mechanical units with safety railings are visible, along with PV panels installed on the roof of the MAB. The backdrop of green trees and a bright sky emphasizes the integration of architectural, sustainable, and functional elements.

MATERIAL SCHEDULE

MARK	FINISH	COLOUR
FL1	EXPOSED CONCRETE, SLAB ON GRADE	
M1	PRE-FINISHED RAINSCREEN METAL SYSTEM	SHADES OF BRONZE
M2	METAL LOUVERS	BLACK
D	MAN DOOR	BLACK
R1	BITUMINOUS ROOFING	
L1	LANDSCAPE BOLLARD DOWNLIGHTING - DARK SKY COMPLIANT	BLACK
C1	CONCRETE PAD	
F1	METAL FENCING, 100MM O.C.	BLACK
PV1	PHOTOVOLTAIC PANELS	
CA1	METAL EXTERIOR CANOPY	SHADES OF BRONZE
RL	METAL ROOF ACCESS LADDER	BLACK
BL	CONCRETE BOLLARD	YELLOW



6 AM-202 SECTION 02
Scale: 1 : 100

Scale 1:100
0 2.5 5 10 m

A pathway connecting Ottawa 1 and the MAB showcases a bronze-toned perforated facade complemented by sleek canopy structures. Lush landscaping and defined pedestrian routes create a welcoming transition.

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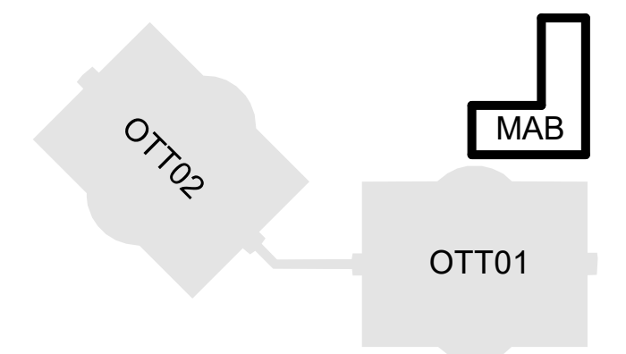

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ONTARIO ASSOCIATION OF ARCHITECTS
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PROJECT NO: MAB:30298433
APPLICATION NO: PC2025-0127
DRAWN BY: **ARCADIS**
CHECKED BY: **YB**
PROJECT MGR: **YB**
APPROVED BY: **TW**

SHEET TITLE
BUILDING ELEVATIONS & SECTIONS

SHEET NUMBER AM-202
ISSUE 1

Autodesk Docs://Cisco - Ottawa Campus/146781-CISCO-A-MAB-R24.rvt

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