

ARCHITECTURAL SHEET LIST

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DATE	REV	DESCRIPTION
2022.03.01	1	Issued for DP

# FOOD + BEVERAGE INNOVATION CENTRE

DEVELOPMENT PERMIT

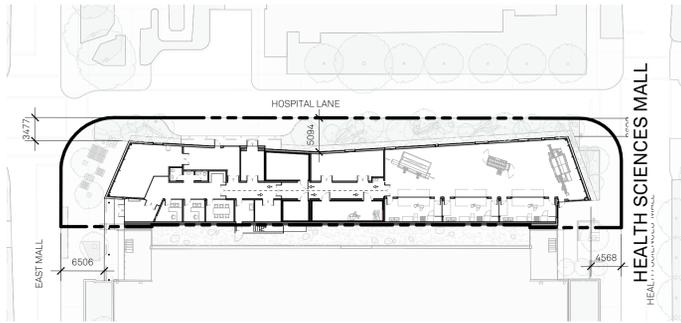
UBC Properties Trust

HS0077

## SITE

Total Site Area	1,327.9 m <sup>2</sup>
Building Area	843.0 m <sup>2</sup>
Site Coverage	64%

## SETBACKS



## BUILDING

Building Height	7.5m
Parking Spaces	0
Loading Spaces	1

Building height measured from ground floor level to highest point on roof

## AREA

Level	Total Area	Exclusions	Wall Thickness	Gross Area
Level 1	818.0 m <sup>2</sup>	51.0 m <sup>2</sup>	23.5 m <sup>2</sup>	743.5 m <sup>2</sup>
Level 2	153.0 m <sup>2</sup>	147.0 m <sup>2</sup>	3.3 m <sup>2</sup>	0.0 m <sup>2</sup>
<b>Total</b>	<b>971.0 m<sup>2</sup></b>	<b>198.0 m<sup>2</sup></b>	<b>26.8 m<sup>2</sup></b>	<b>743.5 m<sup>2</sup></b>

Floor Space Ratio  
0.56

## BIKE PARKING

### Short Term Bike Parking

Required	Proposed
30	6

The building is limited to 25 occupants

### Long Term Bike Parking

Required	Proposed
4	0

Long term parking and end of trip facilities are provided in the nearby FNH building that will be accessible to users of FBIC

## VARIANCES

**Short term bicycle parking**  
A variance is requested in the number of short term bicycle parking stalls.

**Long term bicycle parking**  
A variance is requested in the number of long term bicycle parking stalls, long term bicycle parking is provided in the FNH building which is accessible to the users of FBIC

**End of Trip Facilities**  
A variance is requested in the number of end of trip facilities, existing facilities are located in the FNH building which is accessible to the users of FBIC



01 SCHOOL OF POPULATION AND PUBLIC HEALTH Loading Dock, looking North



02 FBIC SITE + HOSPITAL LANE Looking West from Health Sciences Mall



03 WOODWARD INSTRUCTIONAL RESOURCES CENTRE Southwest Corner, looking Northeast



04 BIOMEDICAL RESEARCH CENTRE Northwest Corner, looking Southeast



05 FBIC SITE Northeast Corner, looking South



06 HEALTH SCIENCES MALL Looking Southeast



07 EAST MALL Looking North towards FBIC Site



08 FBIC SITE Looking North from CEME Laboratory



09 FBIC SITE West side, looking East



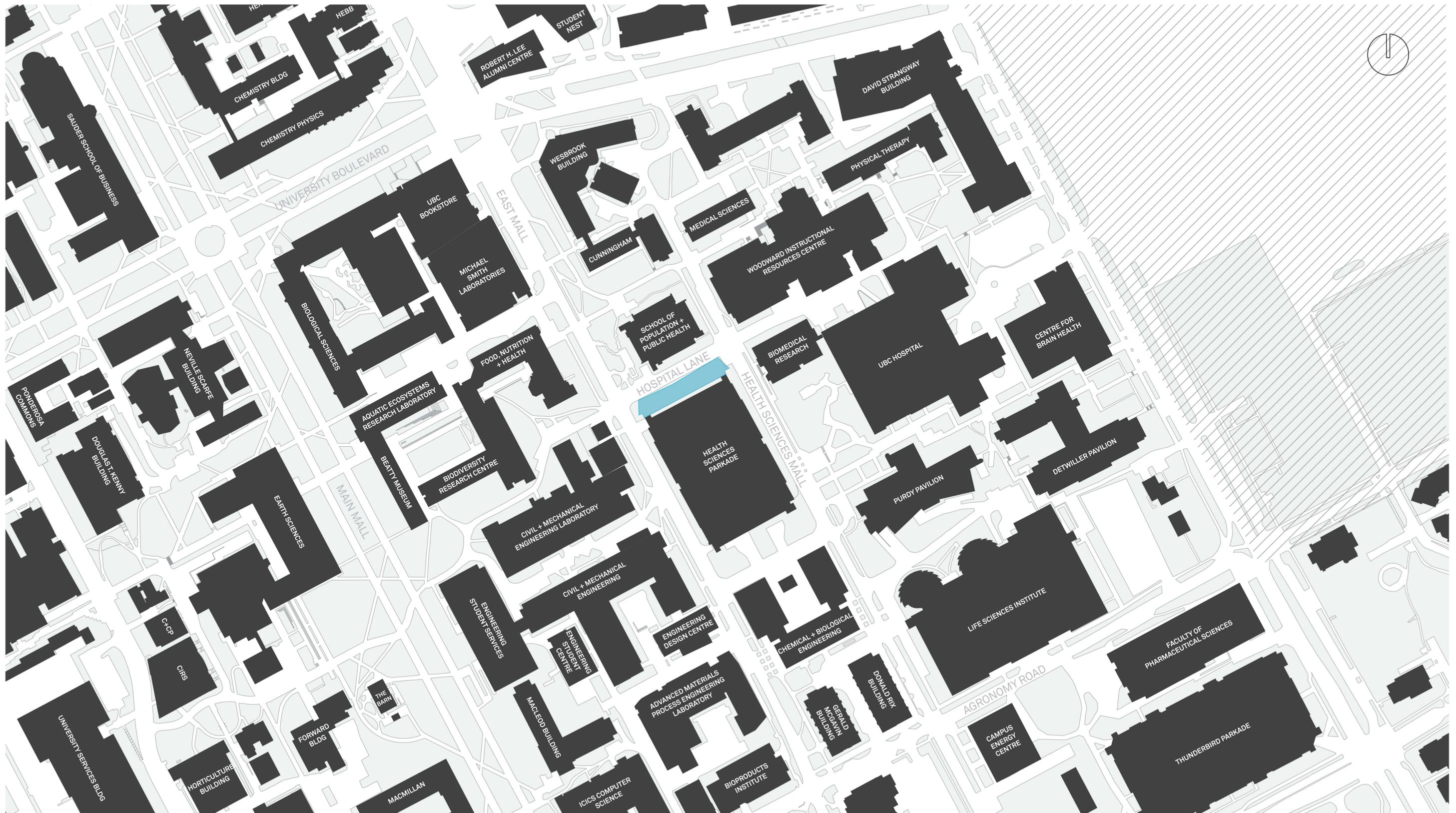
10 FBIC SITE West Corner, looking East from FNH



11 FOOD, NUTRITION, AND HEALTH EXTENSION Southwest Corner, looking Northeast

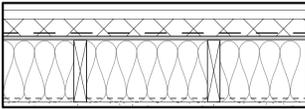


12 CENTRAL CONNECTOR Pathway Connection to Beauty, looking Northwest



## EXTERIOR WALL ASSEMBLIES

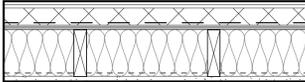
**X1**



ASHRAE Min. x  
Proposed x  
x

**X1 - Corrugated Metal on 2"x8" Wood Stud Wall**  
 7/8" Corrugated Metal Siding  
 1" Air Space  
 2" Semi Rigid Insulation (R-8)  
 Vapour Open Self-Adhesive Membrane (A/B)  
 1/2" Plywood Sheathing  
 2x8" Wood Stud @ 16" O.C.  
 Cavity Batt Insulation (R-14)  
 6 Mil Poly (V/B)  
 5/8" Type X GWB

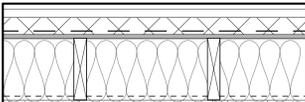
**X2**



ASHRAE Min. x  
Proposed x  
x

**X2 - Fibre Cement on 2"x8" Wood Stud Wall**  
 5/8" Fibre Cement Panel  
 1" Air Space  
 2" Semi Rigid Insulation (R-12)  
 Vapour Open Self-Adhesive Membrane (A/B)  
 1/2" Plywood Sheathing  
 2x8" Wood Stud @ 16" O.C.  
 Cavity Batt Insulation (R-14)  
 6 Mil Poly (V/B)  
 5/8" Type X GWB

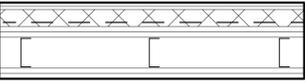
**X3**



ASHRAE Min. x  
Proposed x  
x

**X3 - Fibre Cement on 2"x8" Wood Stud Wall**  
 5/8" Fibre Cement Panel  
 1" Air Space  
 2" Semi Rigid Insulation (R-8)  
 Vapour Open Self-Adhesive Membrane (A/B)  
 1/2" Plywood Sheathing  
 2x8" Wood Stud @ 16" O.C.  
 Cavity Batt Insulation (R-14)  
 6 Mil Poly (V/B)  
 5/8" Type X GWB

**X4**

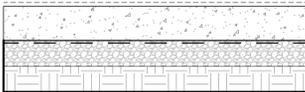


ASHRAE Min. x  
Proposed x  
2hr Rated Wall

**X4 - Fibre Cement on 2"x4" Steel Stud 2hr Fire Rated Wall**  
 5/8" Fibre Cement Panel  
 1" Air Space  
 2" Semi Rigid Insulation (R-8)  
 Vapour Open Self-Adhesive Membrane (A/B)  
 2 Layers 5/8" Type X GWB or Fire rated exterior Sheathing  
 92mm Steel Stud @ 600 cc.  
 2 Layers 5/8" Type X GWB

## FLOOR ASSEMBLIES

**FLOOR**

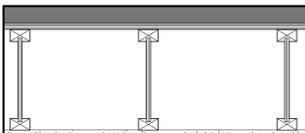


**FL1**

Traffic Clear Breathable Sealer on Concrete  
 Concrete Slab On Grade - See Struct.  
 Polyethylene Vapour Barrier  
 150 mm Thick Fill, 19 mm Clear Crushed Gravel

**BELOW GRADE**

**FLOOR**

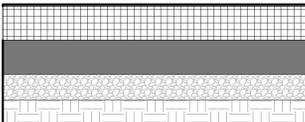


**FL2**

FR  
STC

**FL2 - Wood Joist Mezzanine**  
 Traffic Clear Breathable Sealer on Concrete  
 50mm Concrete Topping  
 MAT  
 3/4" Plywood  
 300mm TGI Joist at 400 OC.  
 1/2" GWB

**CEILING**



**FL3**

**FL3 - Walk In Cooler / Freezer Floor Slab on Grade**  
 26 Gauge Galvanized Steel  
 4" Rigid Insulation  
 26 Gauge Galvanized Steel  
 Concrete Slab On Grade - See Struct.  
 Polyethylene Vapour Barrier  
 150 mm Thick Fill, 19 mm Clear Crushed Gravel

## INTERIOR PARTITION ASSEMBLIES

**P1**



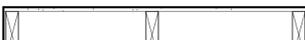
**P1 - 2"x4" Partition Wall**  
 1/2" GWB  
 2"x4" Wood Studs @ 16" O.C.  
 1/2" GWB

**P1s**



**P1s - 2"x4" Shear Wall**  
 1/2" GWB  
 1/2" Plywood  
 2"x4" Wood Studs @ 16" O.C.  
 1/2" Plywood  
 1/2" GWB

**P2**



**P2 - 2"x6" Partition Wall**  
 1/2" GWB  
 2"x6" Wood Studs @ 16" O.C.  
 1/2" GWB

**P2s**



**P2s - 2"x6" Shear Wall**  
 1/2" GWB  
 1/2" Plywood  
 2"x6" Wood Studs @ 16" O.C.  
 1/2" Plywood  
 1/2" GWB

**P3**



**P3 - 2"x8" Partition Wall**  
 1/2" GWB  
 2"x8" Wood Studs @ 16" O.C.  
 1/2" GWB

**P3s**



**P3s - 2"x8" Partition Wall Shear (Inner Parkade Wall)**  
 1/2" GWB  
 2"x8" Wood Studs @ 16" O.C.  
 1/2" Plywood

## CURTAIN WALL AND GLASS

**IG1**



**IG1 - Interior Glass**  
 5/8" Interior Frameless Glass

**CW1**



**CW1 - Curtain Wall**  
 SSG Curtain Wall with 8" Back Section.

## CEILING ASSEMBLIES

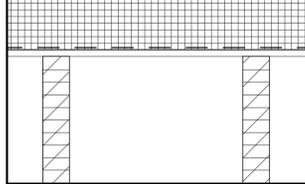
**C3**



**C3 - Walk In Ceiling**  
 26 Gauge Galvanized Steel  
 4" Rigid Insulation  
 26 Gauge Galvanized Steel

## ROOF ASSEMBLIES

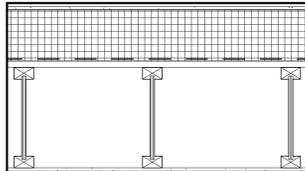
**R1**



FR x

**R1 - Glulam Rafters with Plywood Decking**  
 SSS Roof  
 Protection Board  
 6" Polyiso Insulation  
 Membrane  
 3/4" Good One Side (down) Plywood  
 80x380mm Glulam Rafters at 600 OC

**R2**



FR 2 Hour (VBBL 2014 Table D-2.1.1)

**R2 - TGI Joists**  
 SSS Roof  
 Protection Board  
 Slope Package to Drain  
 6" Polyiso Insulation  
 Membrane  
 3/4" Good One Side (down) Plywood  
 80x380mm Glulam Rafters at 600 OC

## SPECIALTY ASSEMBLIES

**S1**



FR

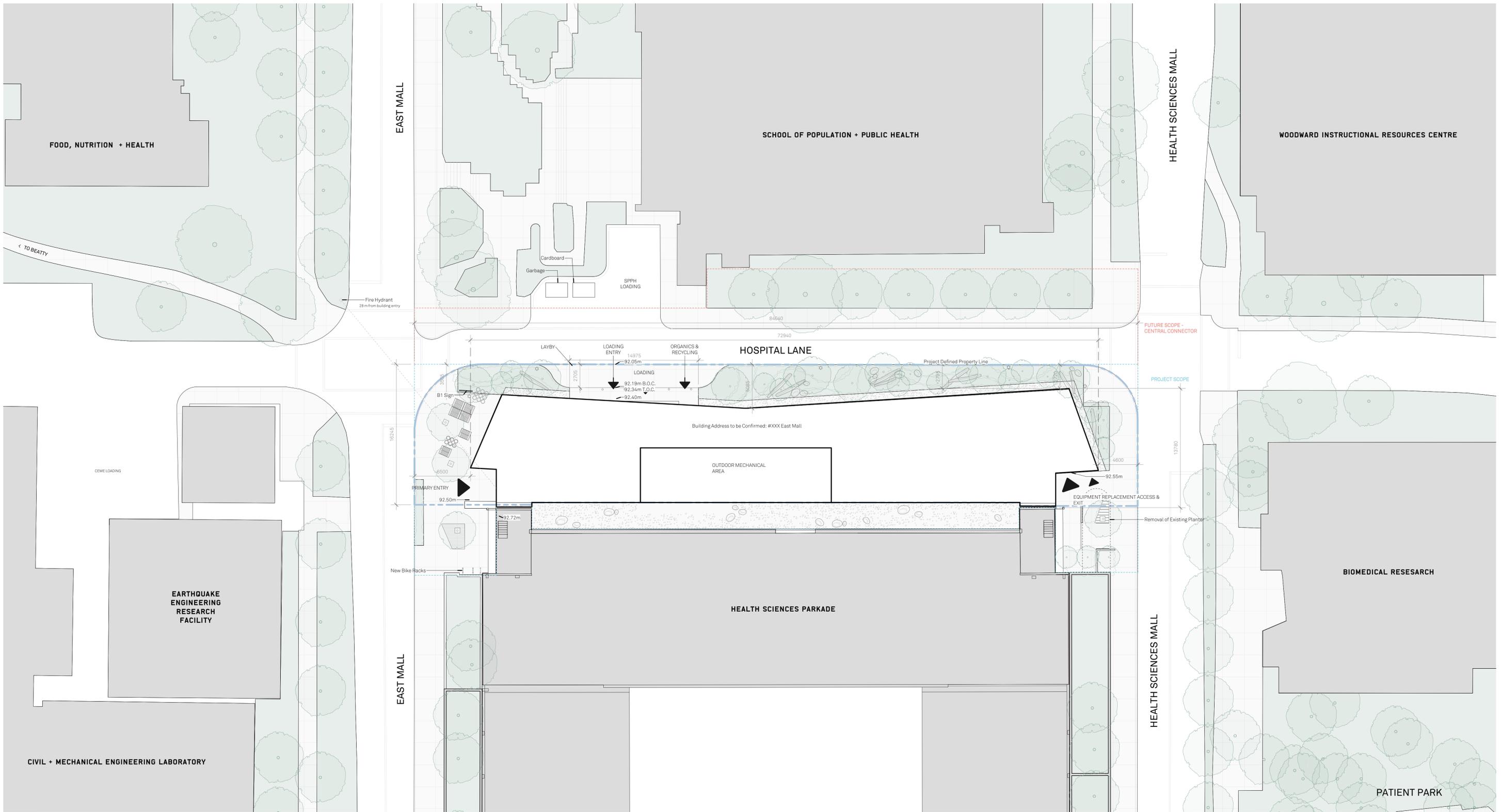
**S1 - Walk In Cooler Walls**  
 26 Gauge Galvanized Steel  
 4" Rigid Insulation  
 26 Gauge Galvanized Steel

**S2**



FR

**S2 - Walk In Freezer Walls**  
 26 Gauge Galvanized Steel  
 4" Rigid Insulation  
 26 Gauge Galvanized Steel



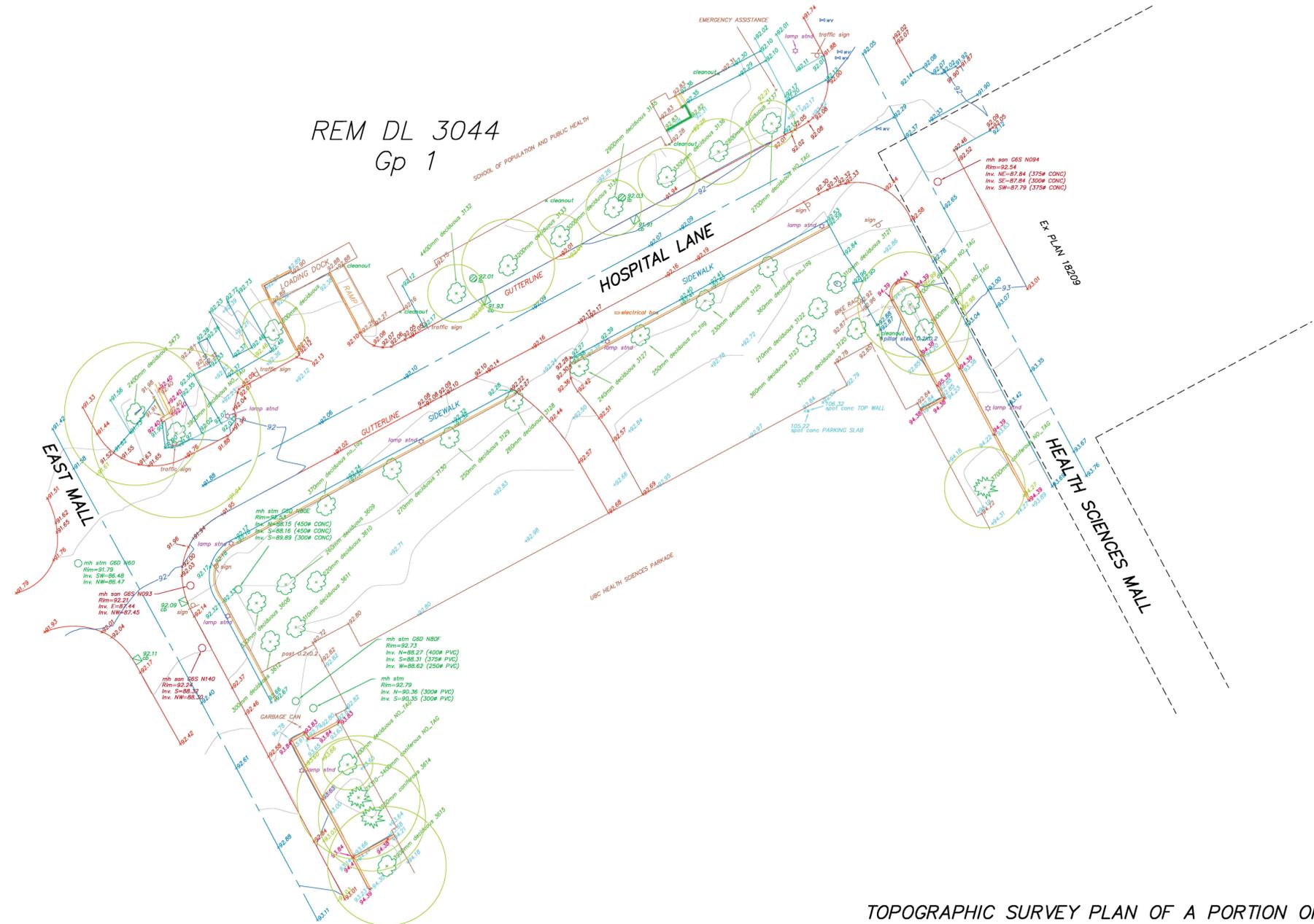
1 Site Plan  
A100 1:200







REM DL 3044  
Gp 1



SYMBOL LEGEND	
	CATCH BASIN
	SERVICE BOX (LABELLED)
	SANITARY SEWER MANHOLE
	STORM DRAIN MANHOLE
	STREET SIGN
	DECIDUOUS TREE
	WATER VALVE
	LAMP STANDARD
	LAWN BASIN

**NOTE:**

THIS PROPERTY MAY BE SUBJECT TO THE FOLLOWING CHARGES:  
STATUTORY RIGHT OF WAY BW334934  
BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

ALL ELEVATIONS AND DISTANCES SHOWN ARE IN METRES.

THIS PLAN SHOWS HORIZONTAL GROUND LEVEL DISTANCES UNLESS OTHERWISE SPECIFIED. TO COMPUTE GRID DISTANCES, MULTIPLY GROUND LEVEL DISTANCES BY THE COMBINED FACTOR OF 0.9999523.

LEGAL BOUNDARIES ARE BASED ON LAND TITLE OFFICE RECORDS AND FIELD SURVEY, AND SUBJECT TO CHANGE.

ELEVATIONS ARE DERIVED FROM UBC MONUMENT W-W, LOCATED ON EAST MALL IN FRONT OF THE CEME BUILDING (BETWEEN AGRONOMY ROAD AND UNIVERSITY BOULEVARD)  
GEODETIC ELEVATION = 93.631

CONTOUR INTERVAL = 0.25 METRES

THIS PLAN SHOWS THE LOCATION OF VISIBLE FEATURES ONLY, AND DOES NOT INDICATE BURIED SERVICES THAT MAY EXIST ON OR AROUND THE SUBJECT SITE.

TREE SPECIES AND DIMENSIONS TO BE CONFIRMED BY A QUALIFIED ARBORIST. TREE SYMBOLS ARE NOT AN INDICATION OF DRIP LINE LOCATION UNLESS SPECIFICALLY LABELLED.

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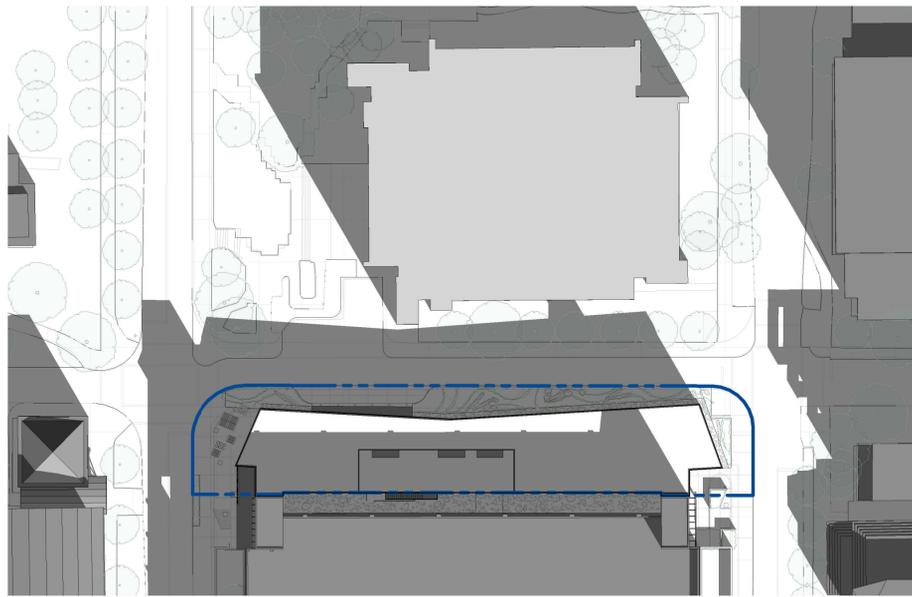
THIS PLAN IS THE EXCLUSIVE PROPERTY OF APLIN & MARTIN AND MAY NOT BE ALTERED OR REPRODUCED WITHOUT WRITTEN CONSENT OF SAME.

THIS PLAN IS PREPARED SOLELY FOR A LIMITED CONTRACTUAL USE BETWEEN APLIN & MARTIN AND OUR CLIENT. IT IS NOT TO BE USED FOR THE LOCATION OF PROPERTY LINES. WE ACCEPT NO RESPONSIBILITY FOR ANY UNAUTHORIZED USE.

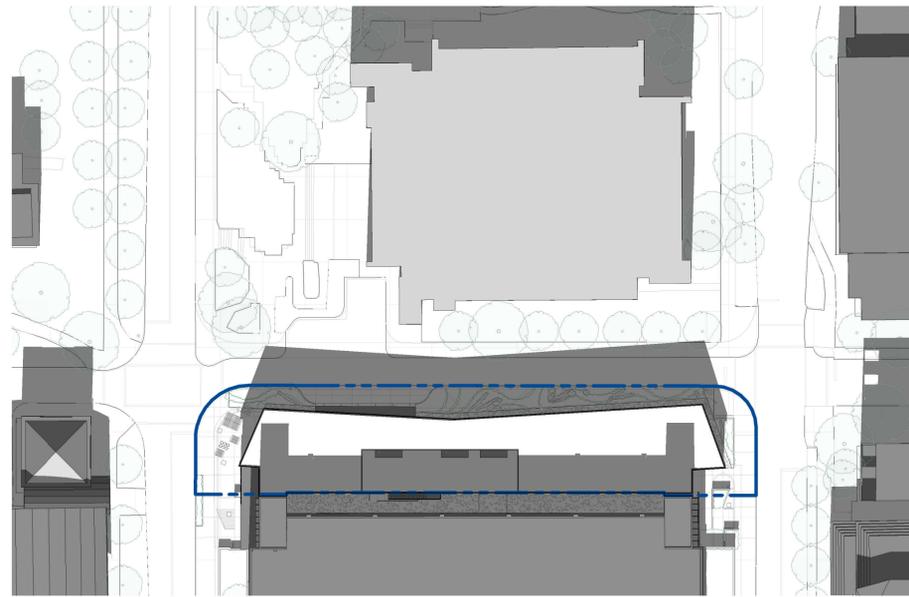
TOPOGRAPHIC SURVEY PLAN OF A PORTION OF DISTRICT LOT 3044 GROUP 1 NEW WESTMINSTER DISTRICT EXCEPT  
FIRSTLY; PART ON PLAN 6147  
SECONDLY; PART ON PLAN 9301  
THIRDLY; PART ON PLAN BCP6556  
FOURTHLY; PART ON PLAN BCP23719

**APLIN & MARTIN**  
GEOMATICS LAND SURVEYING LTD.  
201, 12448 82nd AVENUE  
SURREY, BC V3W3E9 604-597-9189

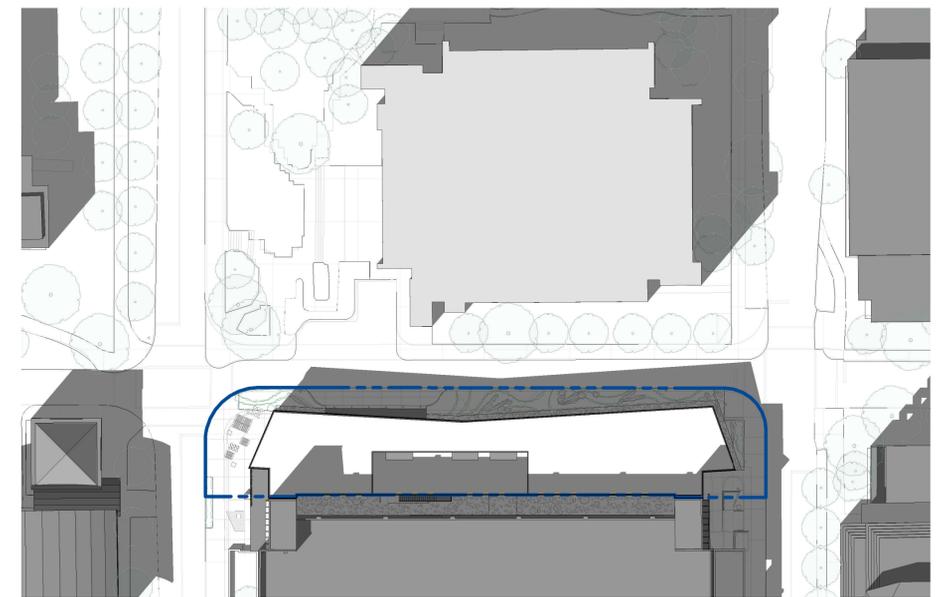
SURVEY UPDATE: FEBRUARY 10, 2022  
FIELD SURVEY: OCTOBER 12, 2021  
FILE 8613JZ-01



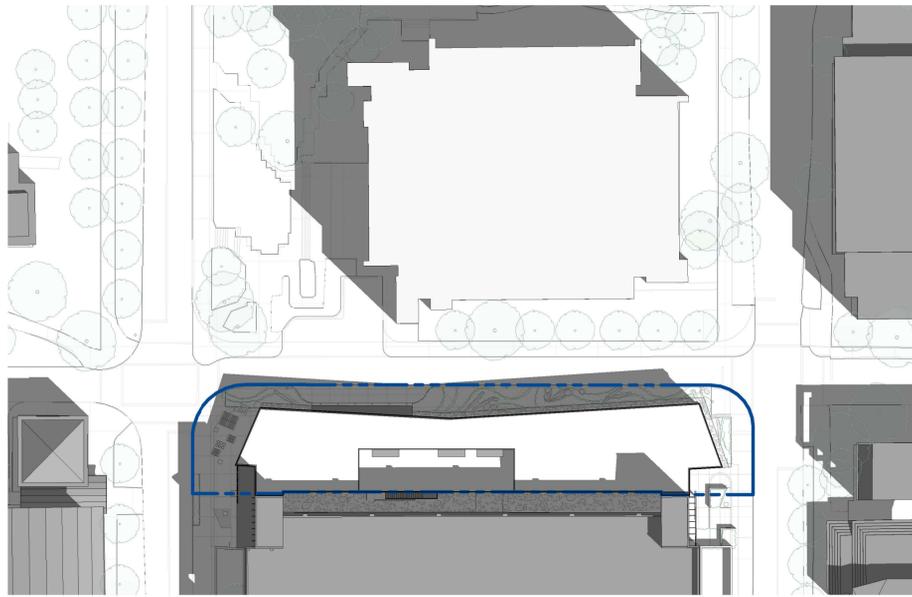
1 Spring Equinox - 10:00 AM  
A103 1:500



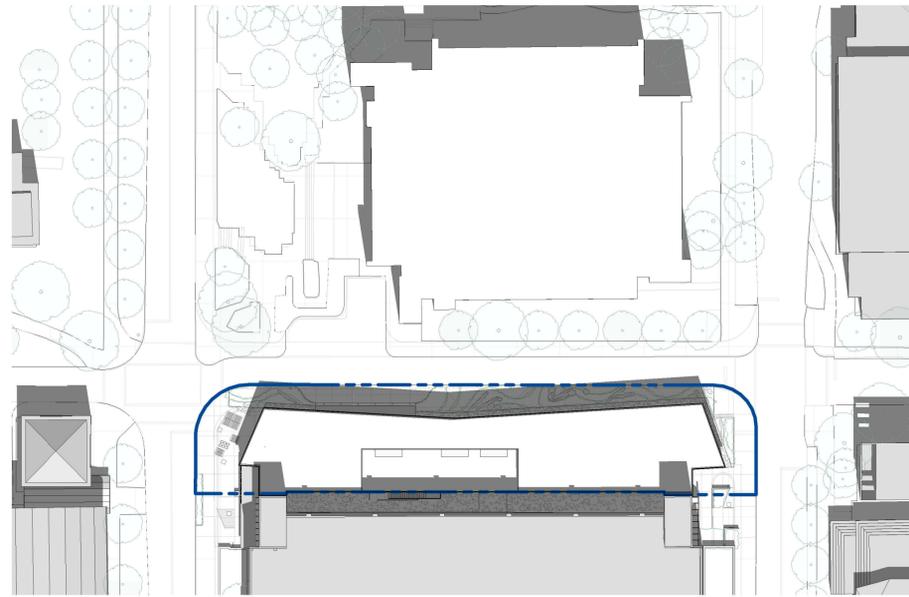
2 Spring Equinox - 12:00 PM  
A103 1:500



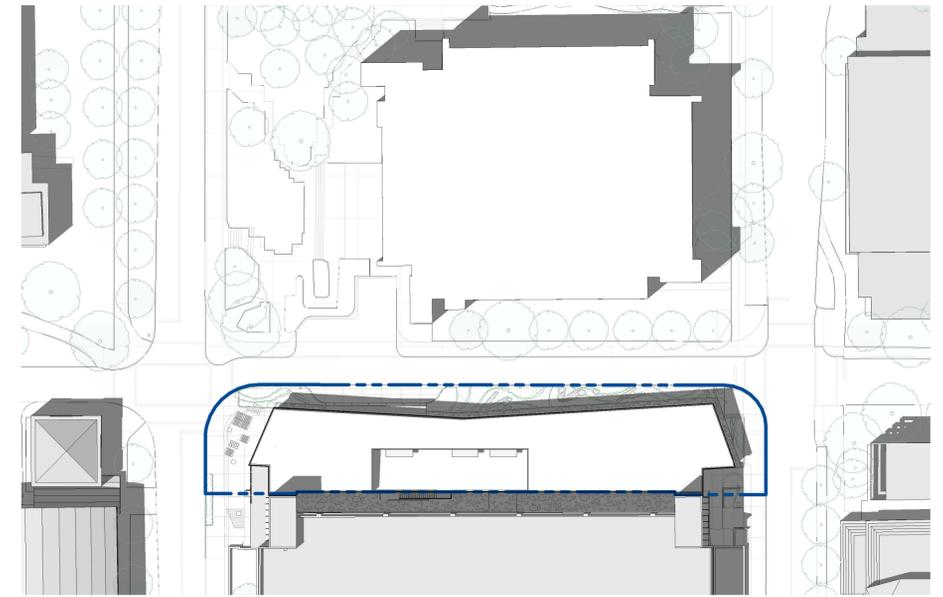
3 Spring Equinox - 2:00 PM  
A103 1:500



4 Summer Solstice - 10:00 AM  
A103 1:500

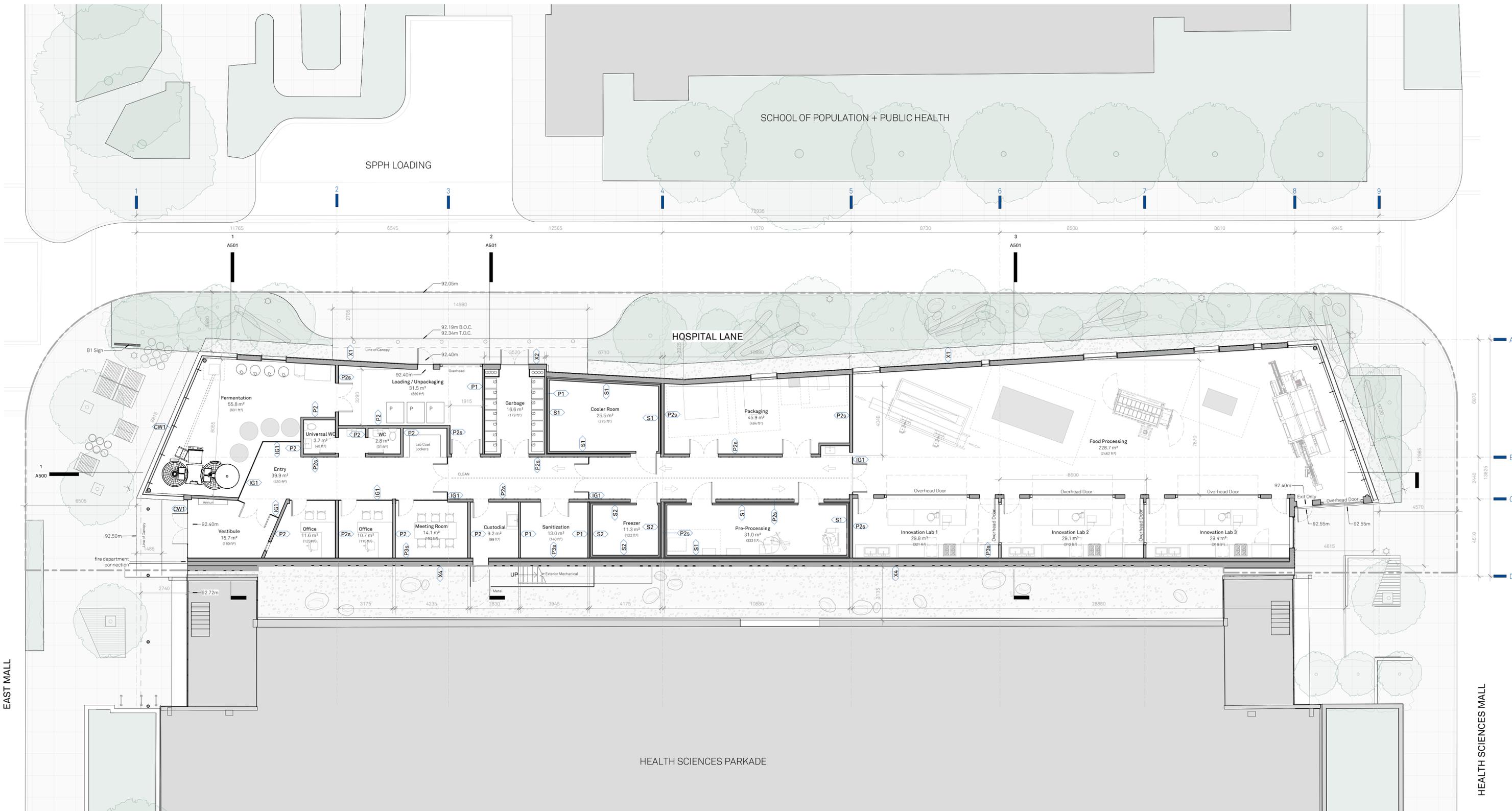


5 Summer Solstice - 12:00 PM  
A103 1:500



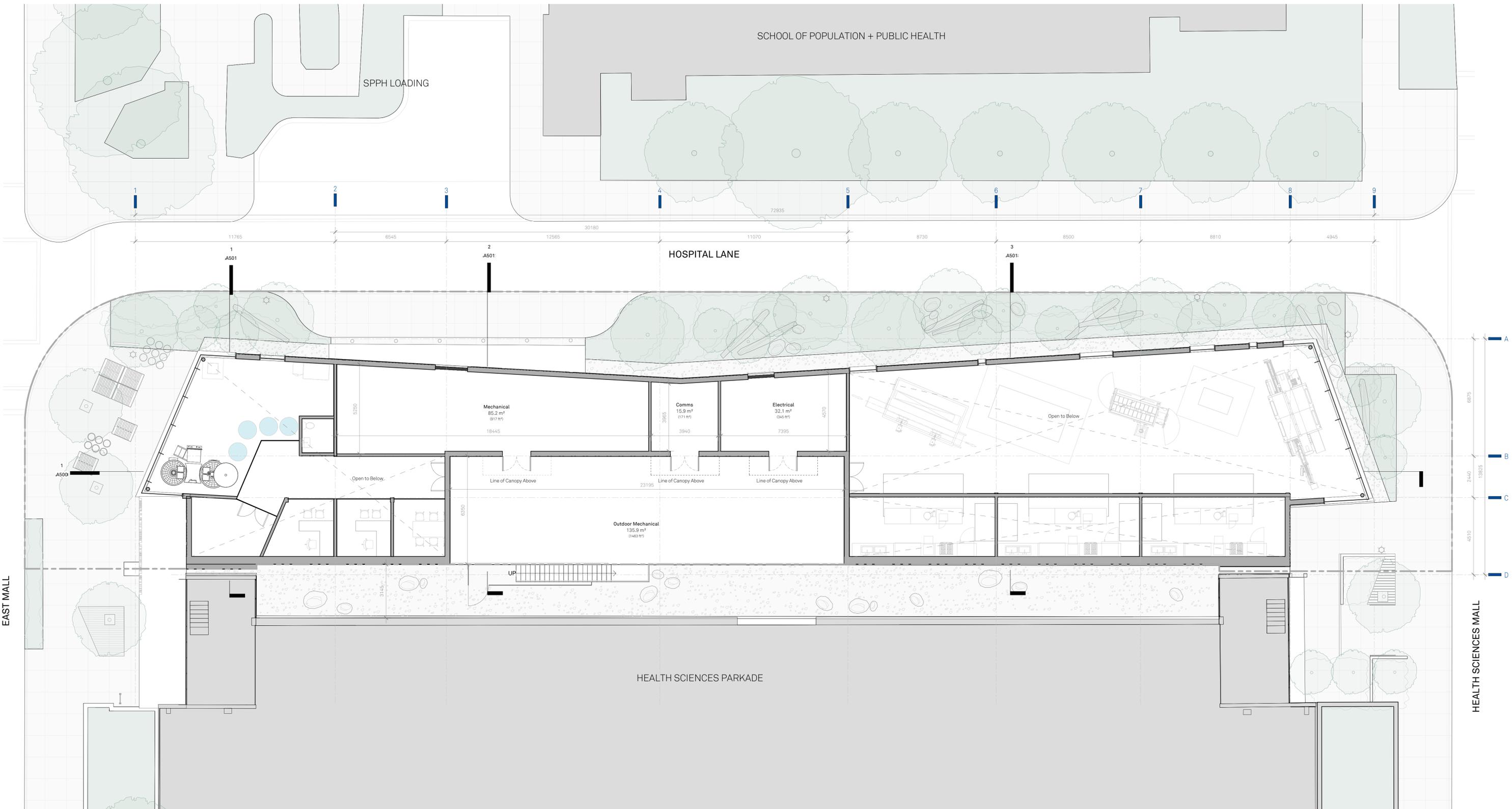
6 Summer Solstice - 2:00 PM  
A103 1:500



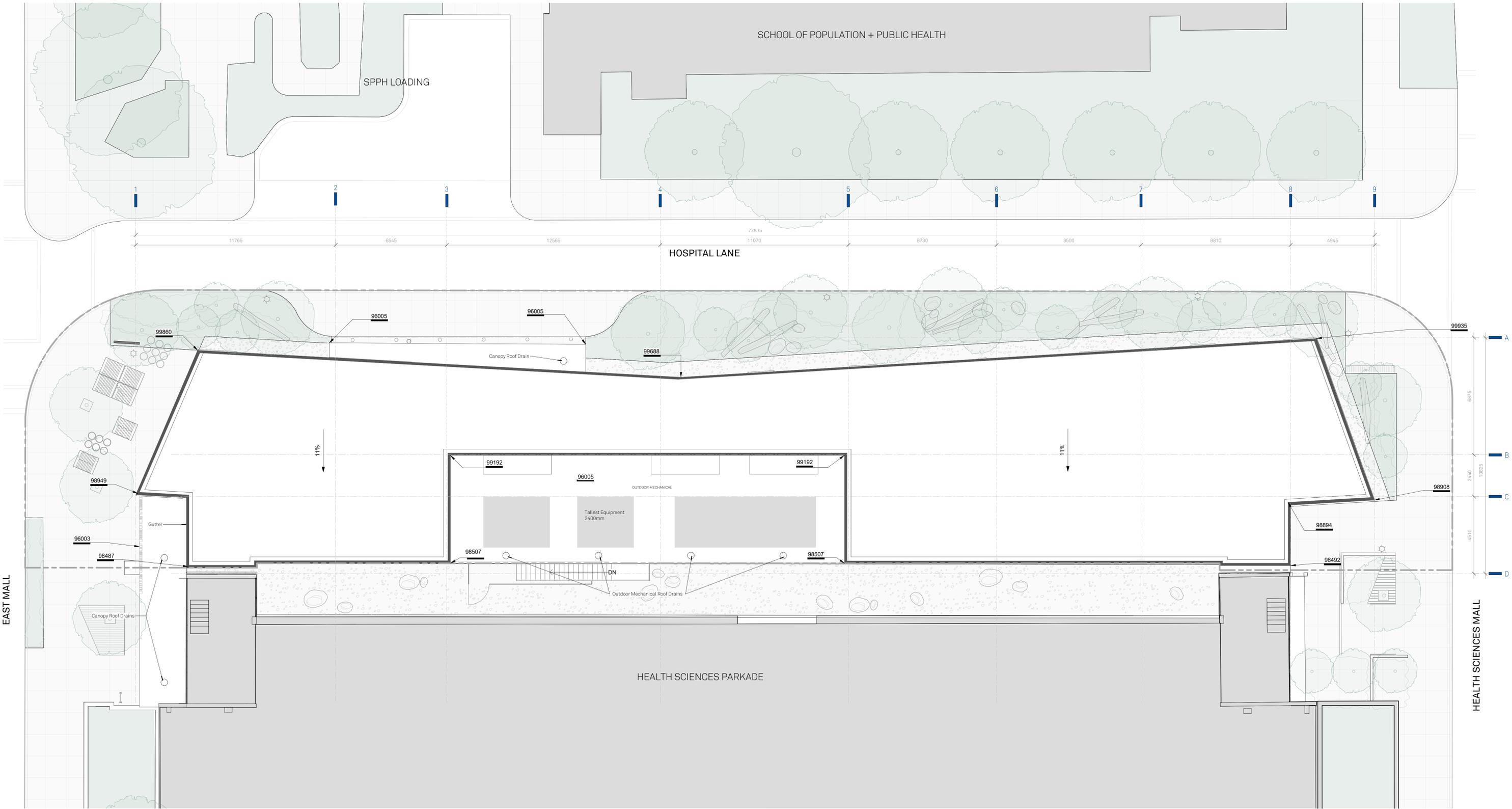


1 Level 1  
A200 1:100

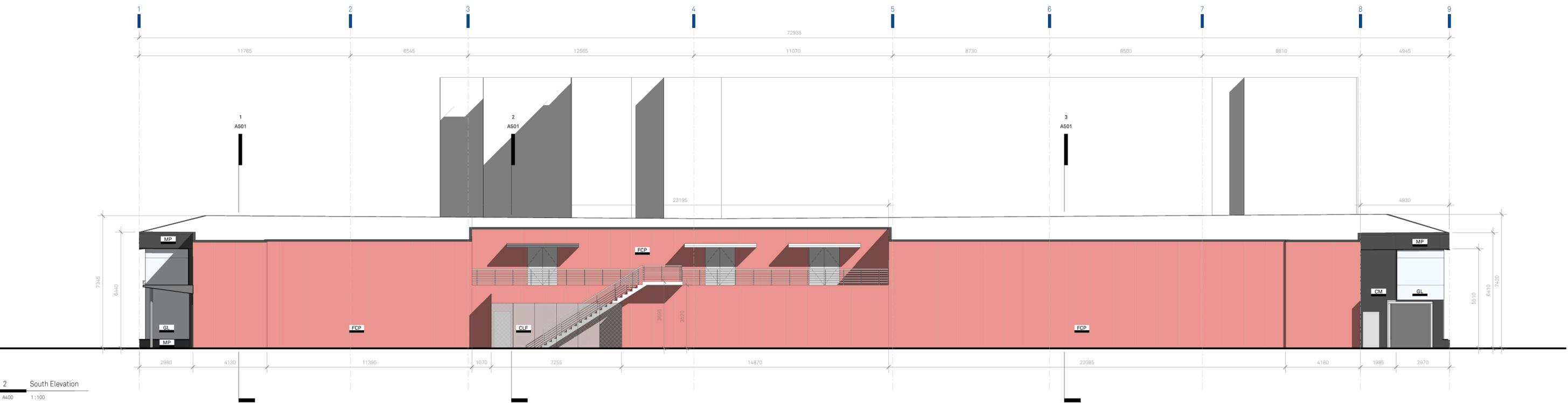
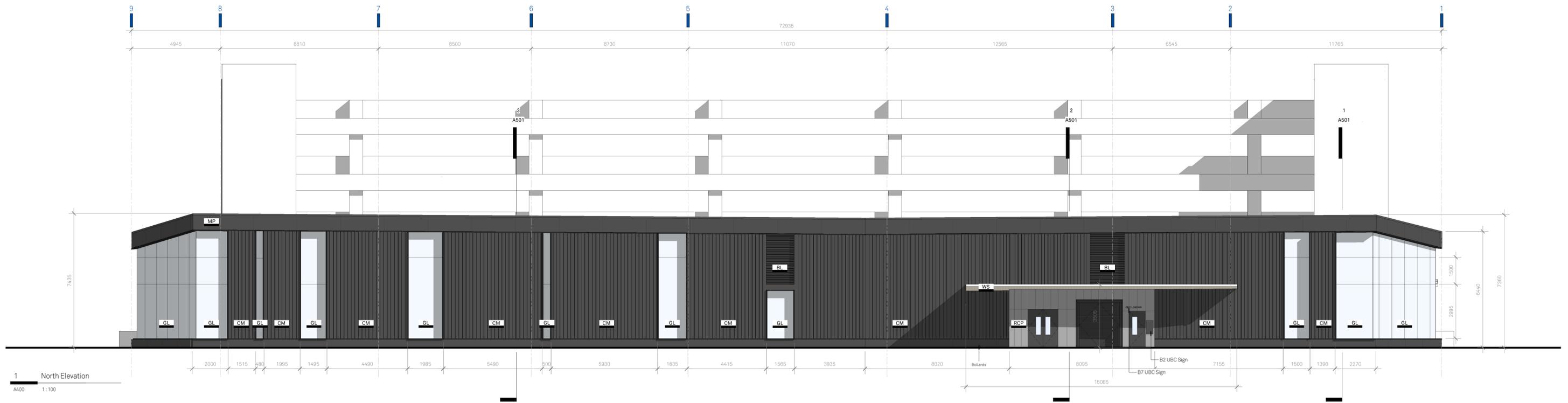




1 Level 2  
A201 1:100

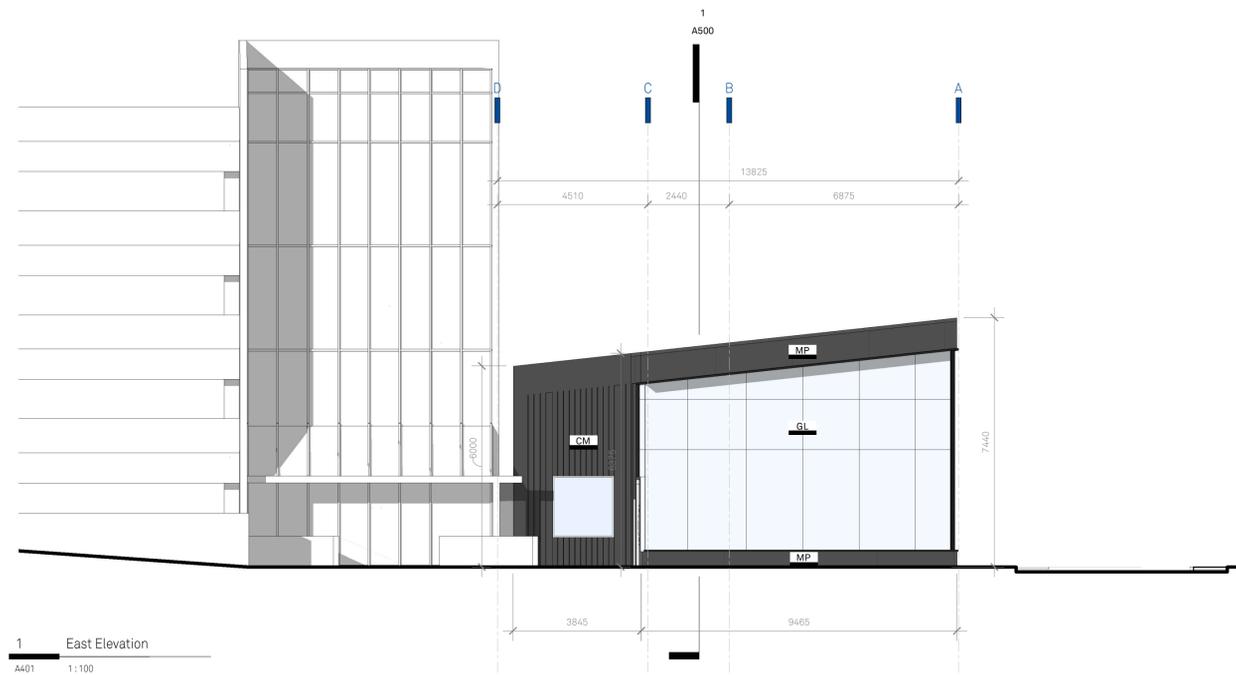


1 Roof Plan  
A202 1:100



EXTERIOR MATERIALS LEGEND

<b>BL</b>	BLACK LOUVER	<b>MP</b>	METAL PANEL
<b>CM</b>	CORRUGATED METAL	<b>RCP</b>	REINFORCED CONCRETE PANEL
<b>CLF</b>	CHAIN LINK FENCE	<b>SBS</b>	SBS ROOFING
<b>FCP</b>	FIBRE CEMENT PANEL	<b>WS</b>	WOOD SOFFIT
<b>GL</b>	GLAZING		



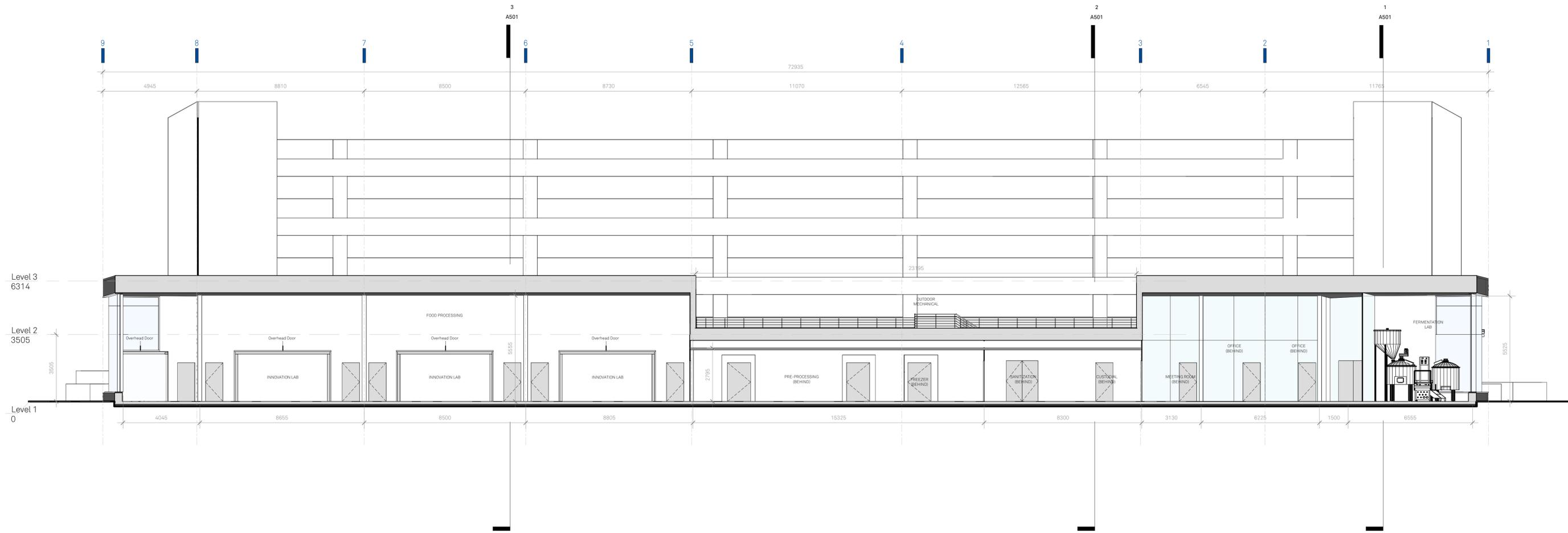
1 East Elevation  
A401 1:100



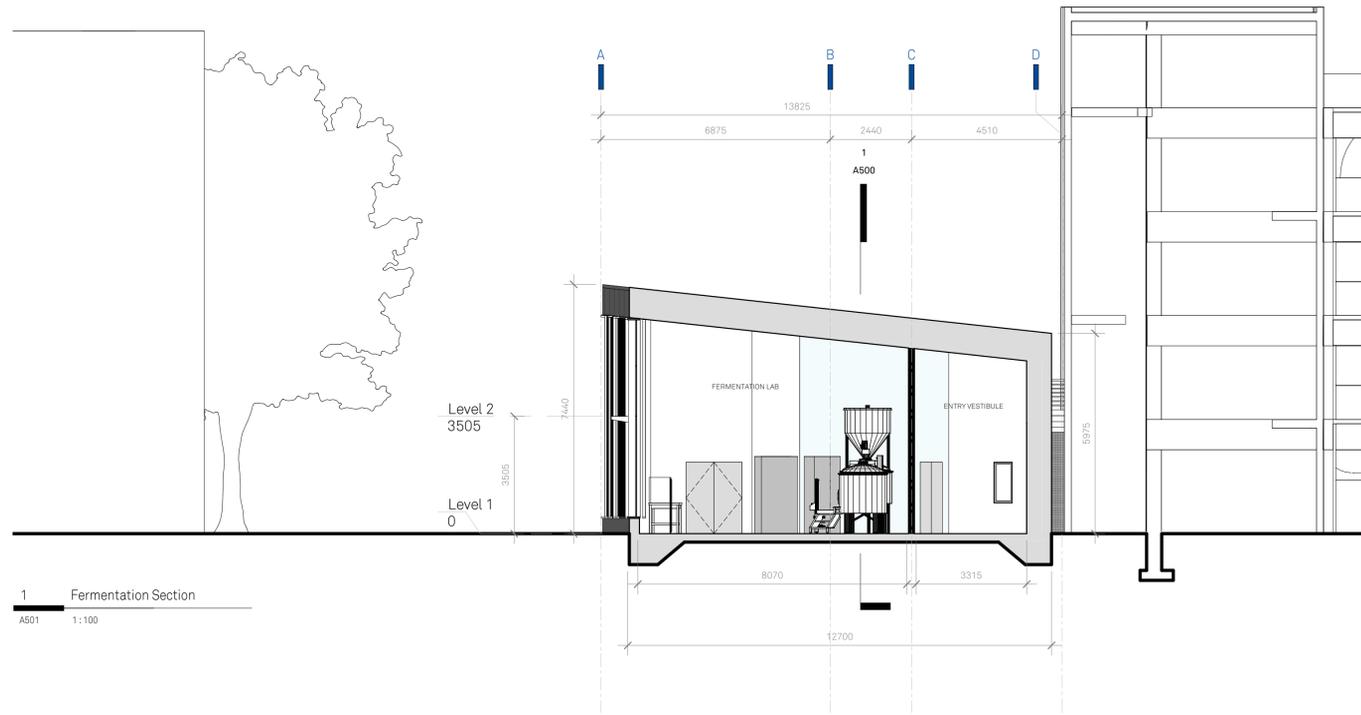
2 West Elevation  
A401 1:100

EXTERIOR MATERIALS LEGEND

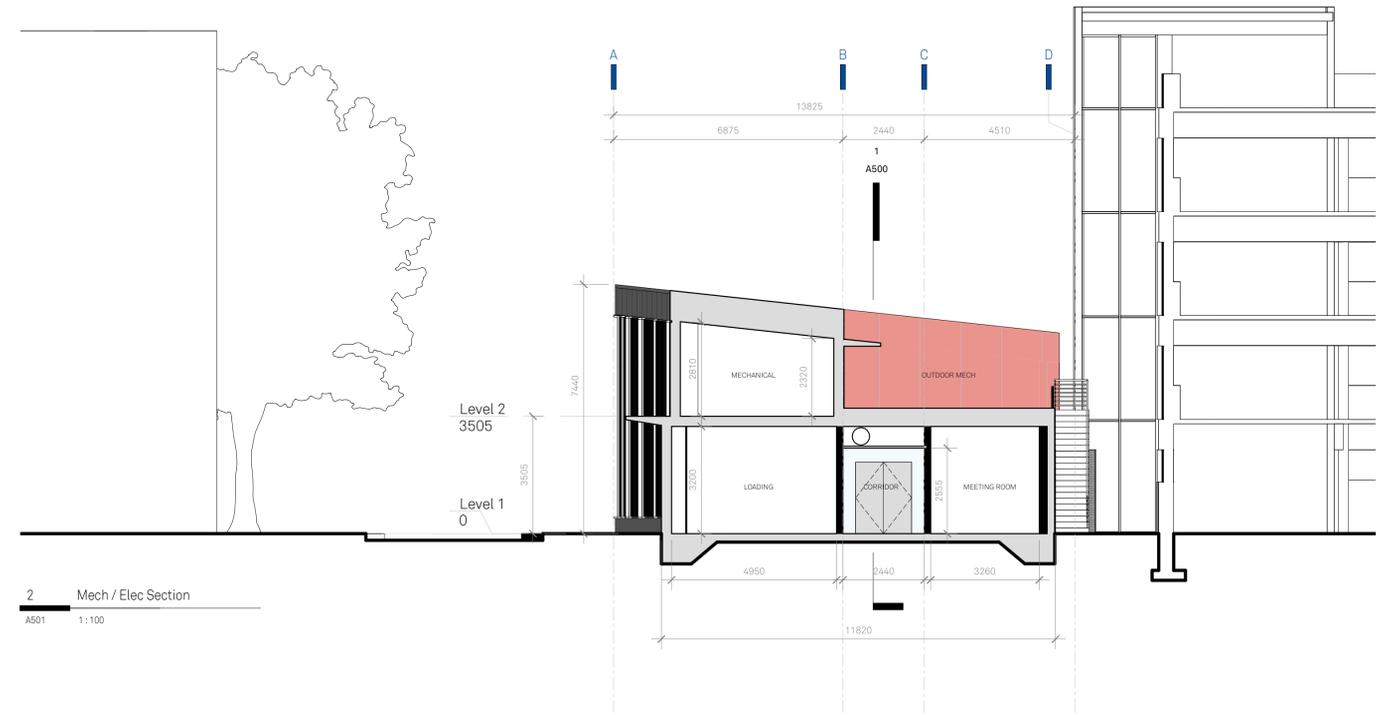
<b>BL</b>	BLACK LOUVER	<b>MP</b>	METAL PANEL
<b>CM</b>	CORRUGATED METAL	<b>RCP</b>	REINFORCED CONCRETE PANEL
<b>CLF</b>	CHAIN LINK FENCE	<b>SBS</b>	SBS ROOFING
<b>FCP</b>	FIBRE CEMENT PANEL	<b>WS</b>	WOOD SOFFIT
<b>GL</b>	GLAZING		



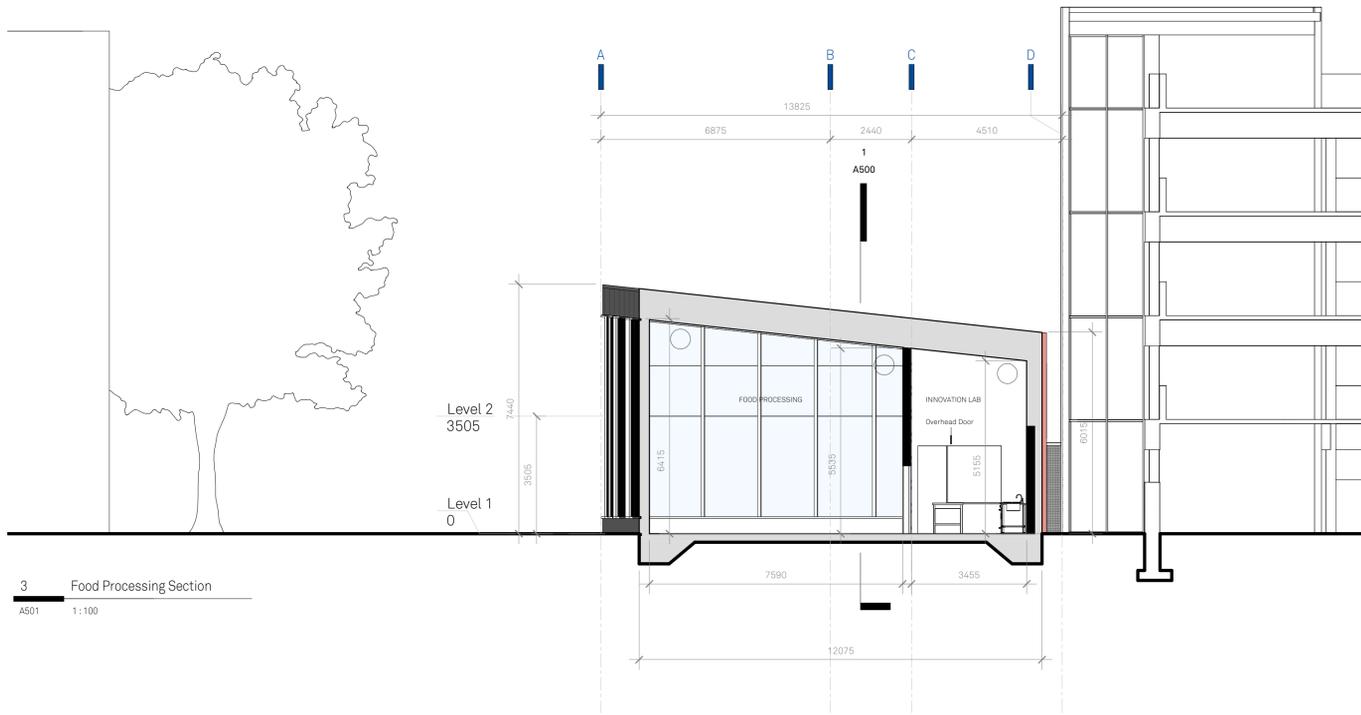
1 Longitudinal Section  
A500 1:100



1 Fermentation Section  
A501 1:100



2 Mech / Elec Section  
A501 1:100



3 Food Processing Section  
A501 1:100