


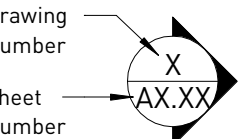
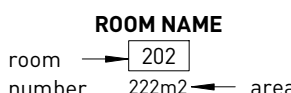




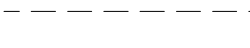



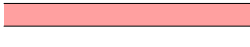
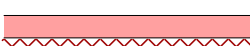











**UBC Properties Trust
Beaty Biodiversity Centre Addition**

Issued for DP R1 - 17 June 2022

Graphic legend

| | |
|---|--|
|  | north arrow |
|  | grid line identification |
|  | elevation relative to main floor |
|  | section reference |
|  | room tag |
|  | door tag / refer to schedule |
|  | assembly tag [see A0.01 for assemblies] |
|  | centre line |
|  | existing construction to remain |
|  | existing construction to be demolished |
|  | new construction |
|  | 0 hr fire separation |
|  | 1 hr fire separation |
|  | 2 hr fire separation |
|  | 2 hr fire separation - TYCO WS sprinklers |
|  | 45min fire separation for exit exposure protection per 3.2.3.13. |
|  | 45min fire separation - water curtain sprinkler for exit exposure protection |
|  | 45min, 1 hr and 2 hr fire separation for spatial separation 3.2.3.7. |
|  | 0 hr fire separation - existing |
|  | 1 hr fire separation - existing |
|  | 2 hr fire separation - existing |
|  | sprinkler protected glazing - existing |

Abbreviations

| | |
|-------|---------------------------------------|
| aff | = above finished floor |
| cl | = centre line |
| c/w | = complete with |
| elev | = elevation |
| eq | = equal |
| exist | = existing |
| ext | = exterior |
| int | = interior |
| max | = maximum |
| min | = minimum |
| na | = not applicable |
| nic | = not in contract |
| oc | = on centre |
| osci | = owner supplied contractor installed |
| osoi | = owner supplied owner installed |
| rec | = recessed |
| reqd | = required |
| rm | = room |
| sim | = similar |
| tme | = to match existing |
| top | = top of |
| typ | = typical |
| uno | = unless noted otherwise |
| u/s | = underside |
| vf | = verify in field |
| w/ | = with |

Written description

The Beaty Addition is a proposed addition of approximately 4,100 GSM [44,130 GSF] to the existing Beaty Biodiversity Centre – an academic facility designed by Patkau Architects and completed in 2007 which, in addition to administration and research functions, accommodates the Beaty Biodiversity Museum. The existing Centre is centrally located on campus, along Main Mall, the university's primary north-south spine. Upon completion, the Beaty Biodiversity Centre became home to the Beaty Biodiversity Museum at UBC and biology-related subsets of the Faculty of Sciences Zoology and Botany departments. Since 2009, the Museum has become an important landmark for the University and a one-of-a-kind natural sciences exhibition space. The Beaty Biodiversity Centre is rapidly expanding and hiring new faculty, launching new programs, and building new partnerships. The Centre's addition proposes to expand the existing research centre and add a museum storage facility that will enable it to qualify as an official BC fossil repository.

The Biodiversity precinct is characterized by bar buildings, which are placed to form edges to exterior courts. The landscape design of these existing open areas provides a deliberate visual and functional representation of the principles of biodiversity. The Addition will provide office and research space to augment the existing research programs and house the new Conservation Science Initiative. Below grade, a contiguous expansion of the Collections and Museum facilities will accommodate growth and program development.

The Biodiversity Centre site as a whole is approximately 11,350 sm in area. The existing buildings occupy 2,600 sm of the site area above grade, increasing to 4,400 sm below grade. Fairview Grove, a stand of mature Cedar and Douglas Fir trees, extending south and east from the existing Museum Lantern occupies 950 sm at the southwest of the site. The remaining unbuilt area is limited. Approximately 1,500 sm in the south court has been identified as the most suitable area for the Addition. This project development site is however tightly constrained on all sides. The site is to the south of the existing research offices wing. It is currently planted and slopes down to bring light into offices at the existing basement level. The CEME lab building to the south is an unsprinklered industrial use, which places strict limits on spatial separation to new neighbours as well as allowable area of unprotected openings. The campus District Energy System infrastructure travels across the project site beneath the pedestrian laneway. The laneway is an important east-west campus route for both pedestrian and bicycle traffic.

The existing building contains 11,500sm of academic space on a site of 11,350sm for an approximate FSR of 1. The Addition is tasked with accommodating an additional 4,100sm of space on a site area of 1,500sm, for a FSR of 2.7. Put another way: the addition adds 35% more space to the existing building, on 15% of the overall site area. Massing is a significant challenge. The functional program for the Addition consists of three primary groupings: space for researchers, space for museum collections & supporting functions, and meeting & gathering spaces shared by both groups. The research space is modular and repetitive, lending itself to an efficient stacking layout on levels. Museum expansion spaces are adjacent to the existing collections and back of house areas at the basement level, while spaces shared by the two functions occupy the ground floor and contribute to a public face for the Addition.

The proposed massing has six storeys above grade with one basement level and rooftop mechanical enclosure. It is sited to preserve daylight access to the existing south facing offices, limit the relocation of existing spaces and preserve an open South Court and existing east-west cross campus connection.

The basement level provides an efficient and functional expansion of museum facilities, with upper floors in a perpendicular bar that completes the west side of the reconfigured South Court and allows efficient stacking of research program. The Beaty Biodiversity Centre and Museum supports its strong internal community through opportunities for casual meeting and interaction in the existing building. The new Addition connects to these existing patterns of circulation and extends them. New program spaces are located adjacent to the existing spaces they augment. New connections are made at vertical circulation nodes to promote stair use and social interaction.

The Addition provides sorely needed expansion space. Space within the existing Centre is in significant demand. Care has been taken to locate the Addition's connections to limit the displacement of existing spaces which will have to be re-housed in the Addition.

Design policy compliance

The project has been designed in accordance with the Vancouver Campus Plan Part 3 requirements for academic projects. The project site is in the Campus Core District, and is therefore subject to additional requirements outlined in section 3.1 of the Campus Plan Part 3 which are addressed by the design as follows.

The project is an addition to an existing building. As such, the design is considered for compliance with the Campus Plan as a single composition of new and existing components.

The campus pattern of blocks and courtyards is to be reinforced. By providing a new west edge to a preserved south court, the Addition builds on the 'edge and court' massing of the existing Biodiversity Precinct buildings, and provides a defined 'moment' along the east-west pedestrian and bicycle route. While having a green roof over museum collection space is not optimal, the extended basement level keeps all museum functions on one floor and preserves part of the project site for a pollinator garden meadow learning landscape, co-planar with the east-west connection across campus. The proposed addition is sited to avoid placing limitations on future development of CEME Labs site, and in consideration of the potential for new exterior spaces created by that eventual redevelopment.

The Addition needs to form a coherent expansion of the Biodiversity Precinct. While limited development site and program to be accommodated results in a tower form, a taller mass in this location is responsive to the verticality of Fairview Grove and acts as a counterpoint to the existing low-slung masses. In line with recommendations from the Campus Plan, the new taller mass of the addition forms a setback from the existing three storey research building at the fourth floor of the Addition, and preserves light access to the existing central court of the Biodiversity Precinct.

At 23.4m the addition is below the preferred 28m in height for projects along Main Mall, and set back from existing Museum 'lantern' by 17.5m to respect the 5m minimum setback from Main Mall fronting facade. In line with the Campus Core Materials Palette, the primary cladding material is white brick, in the same masonry unit size and bond pattern as the existing building. The rooftop mechanical screen material is aluminum safety tread material matching the existing building. Glazing is non-reflective, and supported on dark curtain wall framing. Secondary materials include white fibre cement planks at solar shading devices, and natural colour concrete panels at grade within the lower court.

CPTED description

Amenity spaces on the ground floor and the research labs above overlook Fairview Grove to the west, while offices and the southern stair overlook the pollinator garden and cross campus connector to the east. The Addition takes advantage of the existing Centre's entry points and provides exterior doors for exiting only.

The lower courtyard is flanked by offices and other regularly occupied spaces along the entirety of the north and south edges for natural surveillance. Access to the courtyard will be controlled through a highly visible exterior stair at the east end and through the basement level of the Addition at the west end. The exterior stair runs parallel to the offices along the north and south with open mesh guards for maximum visibility. The lower courtyard's landscape will be low maintenance to demonstrate the space and larger facility is cared for.

Development permit summary

| | |
|---------------------|-----------------------|
| Site area: | 2188.4 m ² |
| Building footprint: | 588.4 m ² |
| Site coverage: | 26.8% |
| Net area by floor: | |
| B1 | 764.7 m ² |
| L1 | 409.9 m ² |
| L2 | 417.3 m ² |
| L3 | 415.0 m ² |
| L4 | 404.6 m ² |
| L5 | 394.5 m ² |
| L6 | 357.4 m ² |
| Roof | 50.3 m ² |
| Grand total | 3213.9 m ² |

| | |
|------------------|-----------------------|
| Net area by use: | |
| Circulation | 262.3 m ² |
| Dry lab | 732.8 m ² |
| Meeting room | 669.5 m ² |
| Office | 718.4 m ² |
| Service | 319.7 m ² |
| Storage | 511.2 m ² |
| Grand total | 3213.9 m ² |

| | |
|----------------------|-----------------------|
| Gross area by floor: | |
| B1 | 1067.1 m ² |
| L1 | 588.4 m ² |
| L2 | 588.4 m ² |
| L3 | 588.3 m ² |
| L4 | 568.3 m ² |
| L5 | 561.5 m ² |
| L6 | 561.5 m ² |
| Roof | 63.0 m ² |
| Grand total | 4586.6 m ² |

| | |
|-----------------|--------|
| Building height | |
| Permitted: | 28 m |
| Proposed: | 22.9 m |

| | |
|--------------------|-----|
| Setbacks | |
| Front yard (west): | n/a |
| Rear yard (east): | n/a |
| Side yard (north): | n/a |
| Side yard (south): | n/a |

| | |
|----------------|-------------------------|
| Parking spaces | |
| Permitted: | 0 |
| Proposed: | 1 accessible, 1 service |

| | |
|----------------|---|
| Loading spaces | |
| Permitted: | 1 |
| Existing: | 2 |
| Proposed: | 0 |

| | |
|-----------------------------|--|
| Bicycle parking (long-term) | |
| Permitted: | 0.6 to 0.8 per 100m ² of GFA = 27 to 36 |
| Existing: | 0 |
| Proposed: | 20 |

| | |
|------------------------------|--------------------------------------|
| Bicycle parking (short-term) | |
| Permitted: | 4 per 100m ² of GFA = 183 |
| Existing: | 82 |
| Proposed: | 16 |

| | |
|-------------------|------------------|
| Floor space ratio | |
| Permitted: | Max 3.5 net area |
| Proposed: | 1.9 |

Development permit variances

Bicycle parking (long-term): A variance is requested to provide 20 long-term bicycle parking spaces in lieu of 27.

Bicycle parking (short-term): A variance is requested to provide 10 + 6 =16 short-term bicycle parking spaces in lieu of 183. The existing Centre has 82 existing short-term bicycle parking spaces.

The bicycle parking variances are requested to better correlate with the proposed Addition's future users. The proposed Addition will be populated by faculty, staff, postdoctorates and graduate students and provide 708.4 sm of new office space. The same users that occupy the offices will use the meeting rooms and dry labs.

Project team

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Drawing list - architectural

| | |
|----------|---------------------|
| DP 00.01 | Project information |
| DP 00.02 | Gross area plans |
| DP 00.03 | Shadow analysis |
| DP 00.04 | Photographs |
| DP 00.10 | Site plan |

| | |
|----------|--------------------------|
| DP A1.00 | Floor plan - B1 |
| DP A1.01 | Floor plan - L1 |
| DP A1.02 | Floor plan - L2 and L3 |
| DP A1.03 | Floor plan - L4 and L5 |
| DP A1.04 | Floor plan - L6 and roof |

| | |
|----------|---------------------|
| DP A2.00 | Building elevations |
| DP A2.01 | Building elevations |

| | |
|----------|-------------------|
| DP A3.00 | Building sections |
| DP A3.01 | Building sections |

Drawing list - civil

| | |
|-------|----------------|
| C-201 | Utilities plan |
|-------|----------------|

Drawing list - landscape

| | |
|-------|------------------------------------|
| L0.00 | Cover page |
| L0.01 | Urban landscape rationale |
| L0.02 | Design principles |
| L0.03 | Tree management plan |
| L1.01 | Concept plan Level 1 |
| L1.02 | Concept plan Basement level |
| L1.10 | Overall materials plan |
| L1.11 | Materials plan Level 1 |
| L1.12 | Materials plan Basement level |
| L1.21 | Layout plan Level 1 |
| L1.22 | Layout plan Basement level |
| L1.31 | Grading plan Level 1 |
| L1.41 | Planting schedule Level 1 |
| L1.42 | Planting plan Level 1 |
| L1.43 | Planting schedule Basement level |
| L1.44 | Planting plan Basement level |

| | |
|-------|----------|
| L2.01 | Sections |
| L2.02 | Sections |

| | |
|-------|--------------------------|
| L3.10 | Paving details |
| L3.20 | Site furnishing details |
| L3.30 | Walls and stairs details |
| L3.40 | Planting details |

Drawing list - electrical

| | |
|----|----------------------|
| E1 | Site plan - lighting |
| E2 | Photometric |

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| ISSUES - REVISIONS | | |
|--------------------|--------------|---------------------------|
| NO. | DATE | DESCRIPTION |
| A | Dec 15, 2021 | Issued for SD costing |
| B | Feb 2, 2022 | Issued for SD costing |
| C | Mar 29, 2022 | Issued for DP |
| D | Apr 8, 2022 | Issued for 25% DD costing |
| H | Jun 17, 2022 | Issued for DP R1 |

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UBC Beaty
Biodiversity Centre
Addition

2212 Main Mall, Vancouver, BC

PROJECT CODE

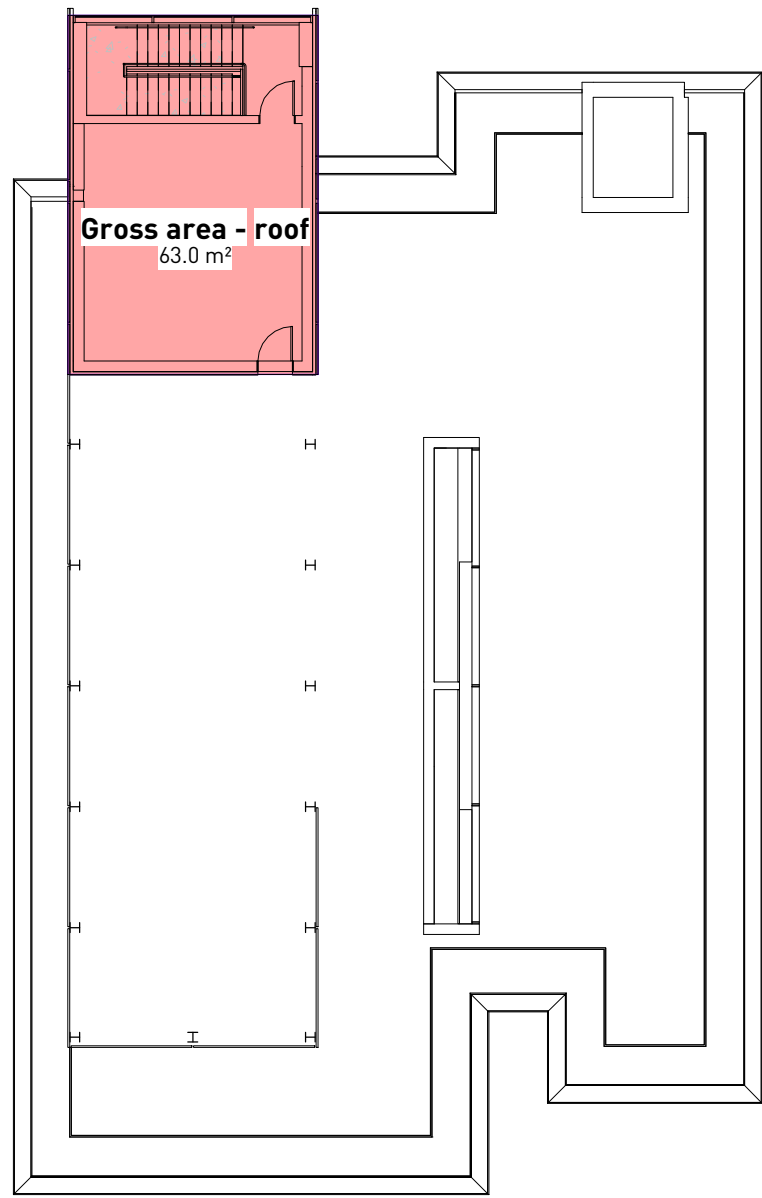
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Project information

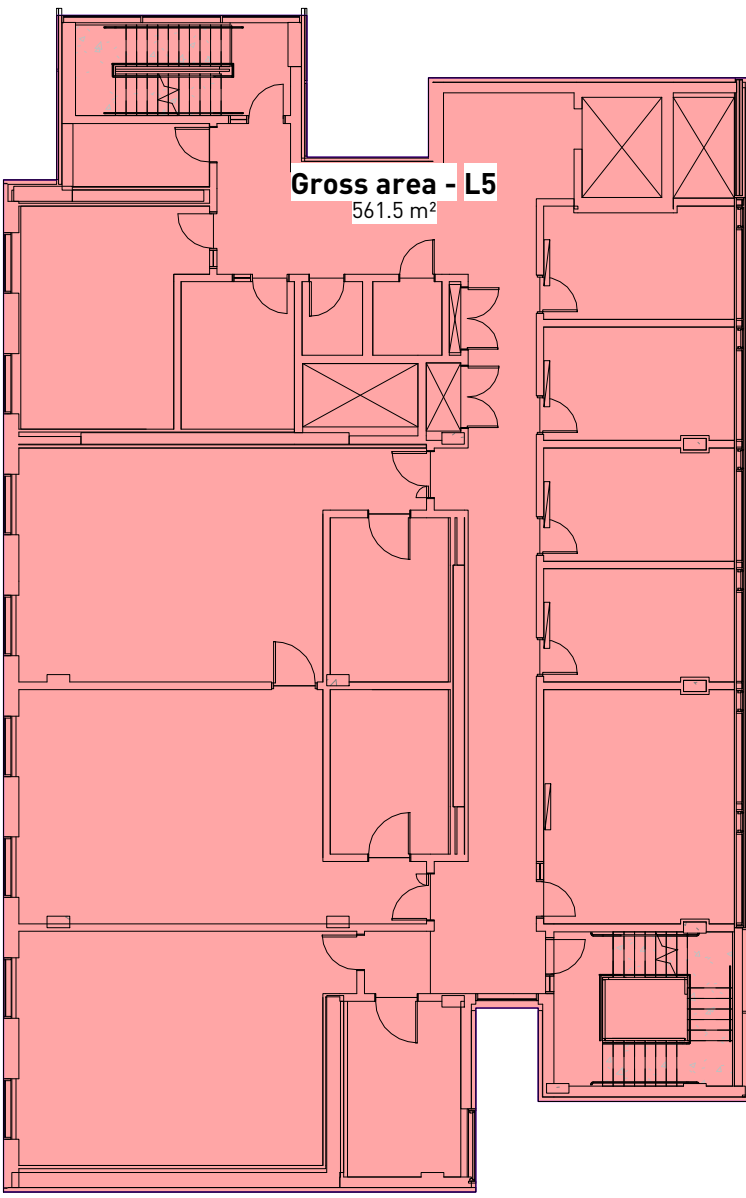
SHEET

DP 00.01

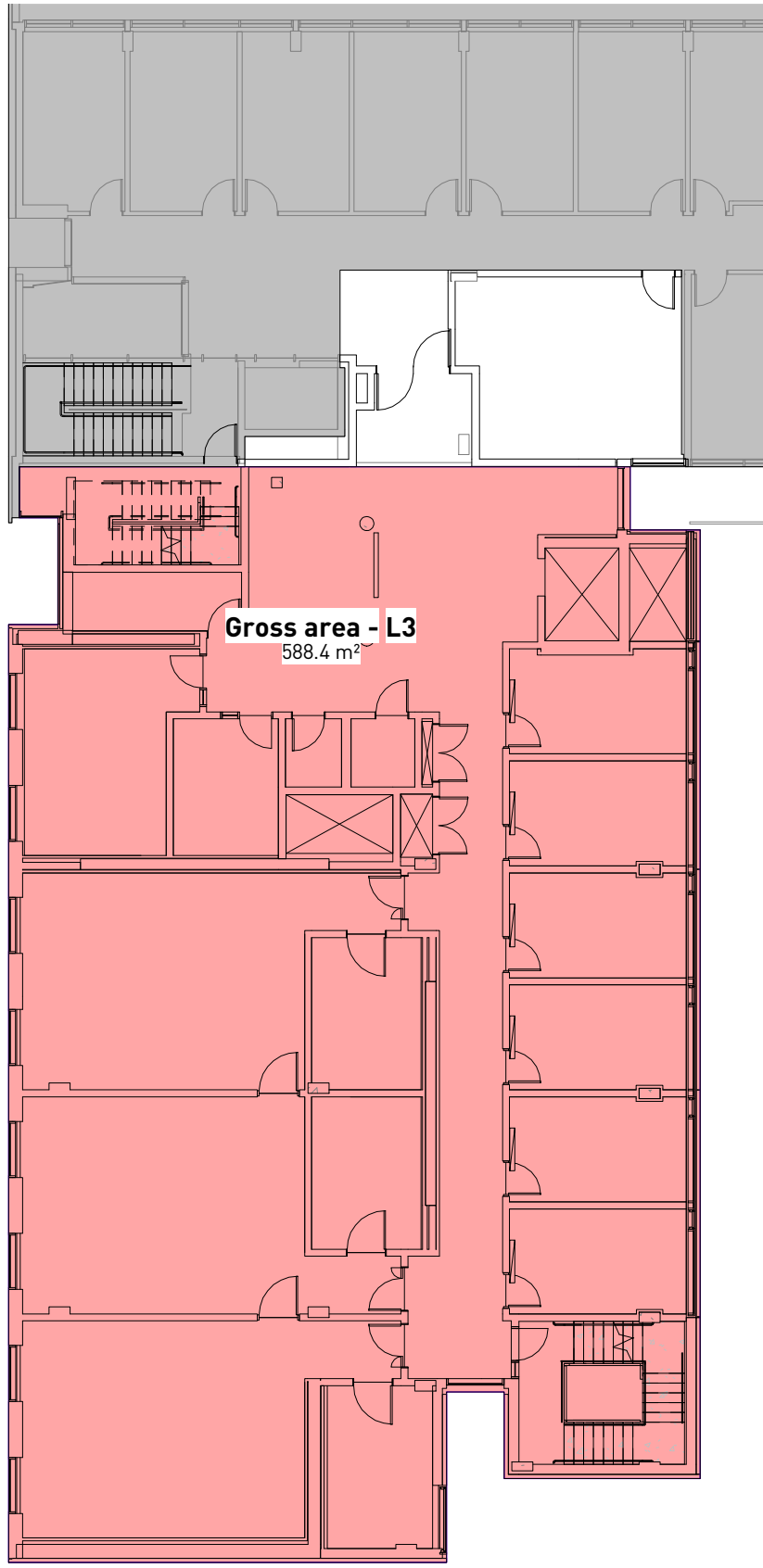
| ISSUES + REVISIONS | | |
|--------------------|--------------|------------------|
| NO. | DATE | DESCRIPTION |
| H | Jun 17, 2022 | Issued for DP R1 |



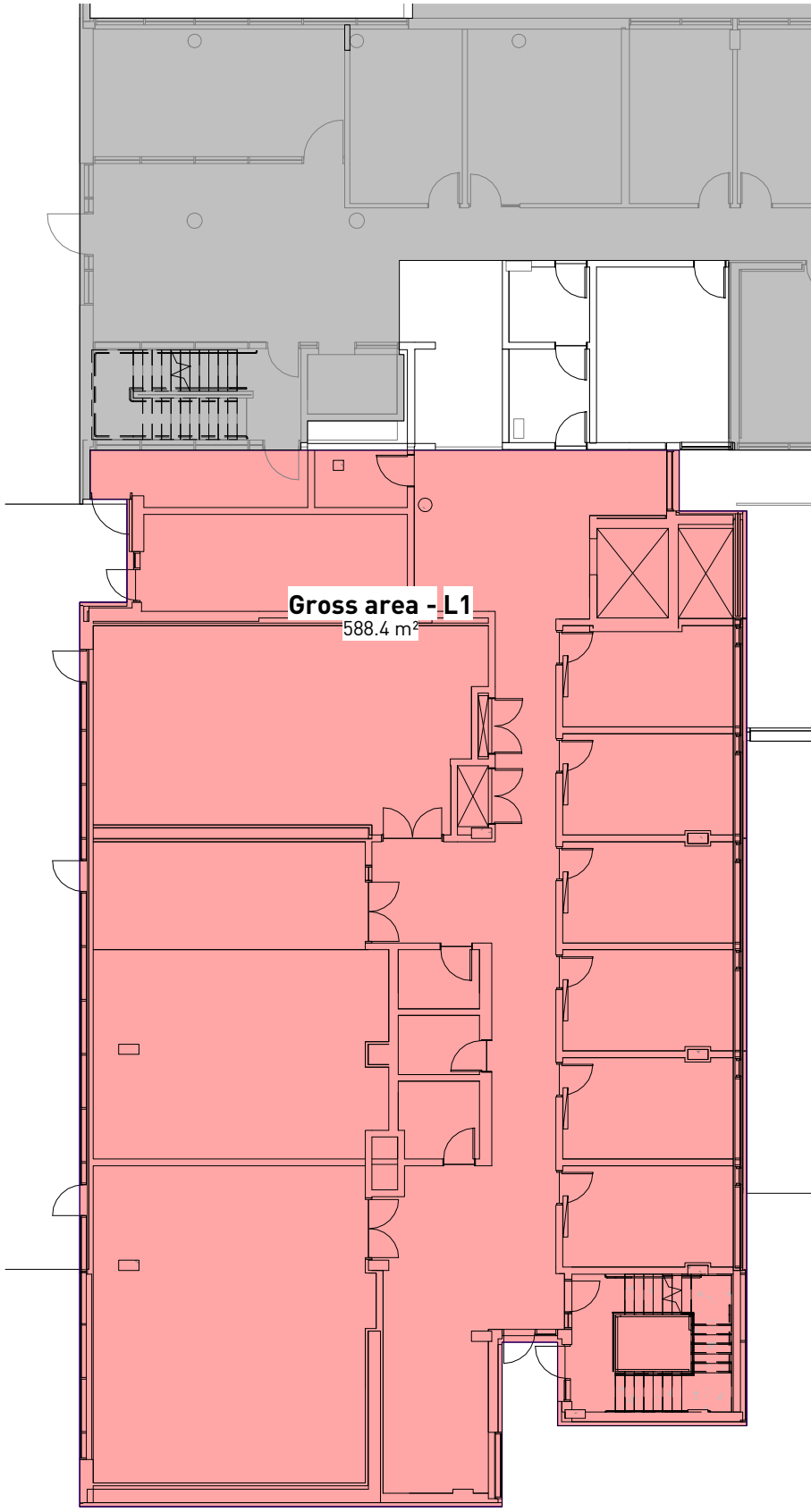
8 Gross area plan DP - roof
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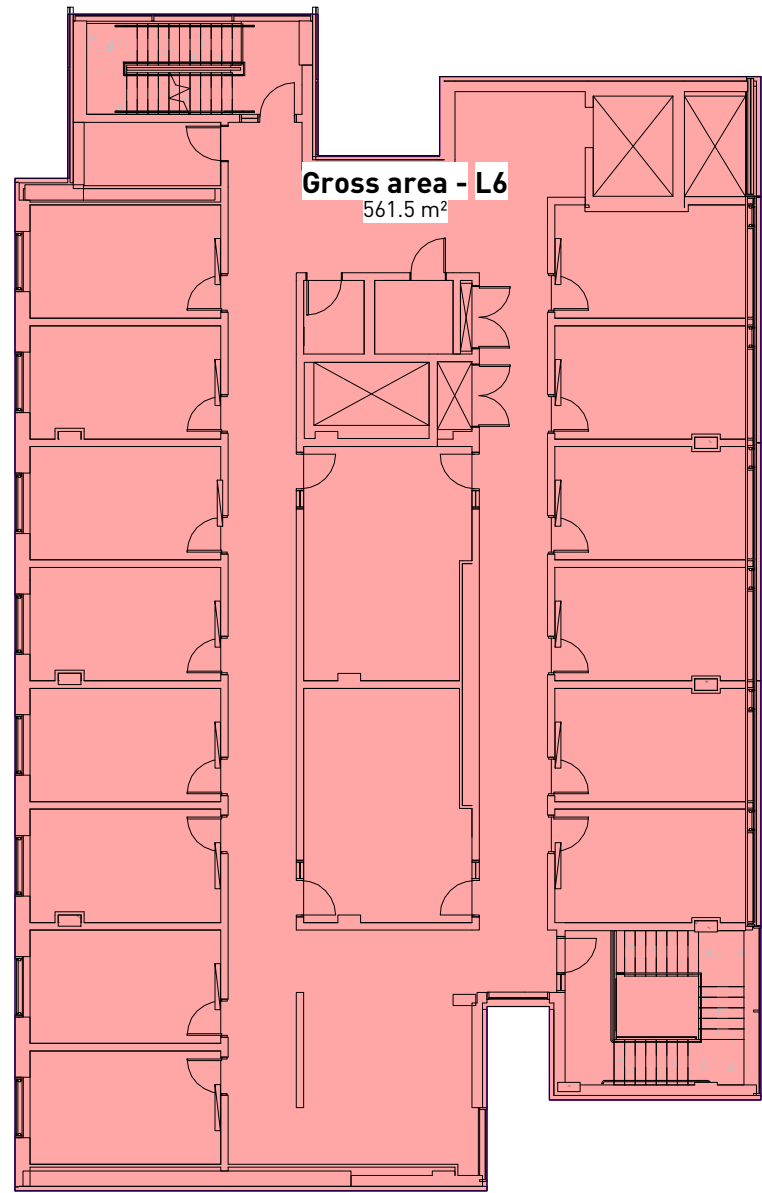
6 Gross area plan DP - L5
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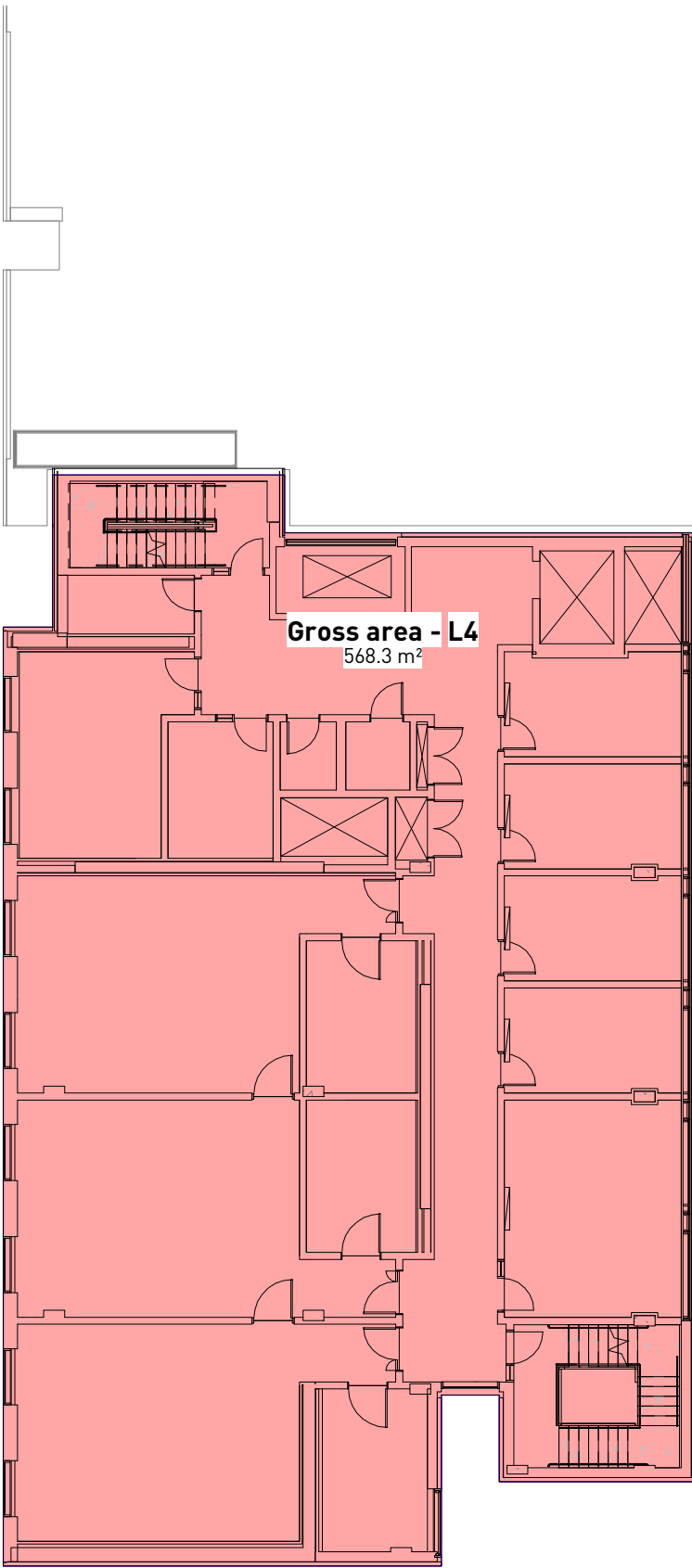
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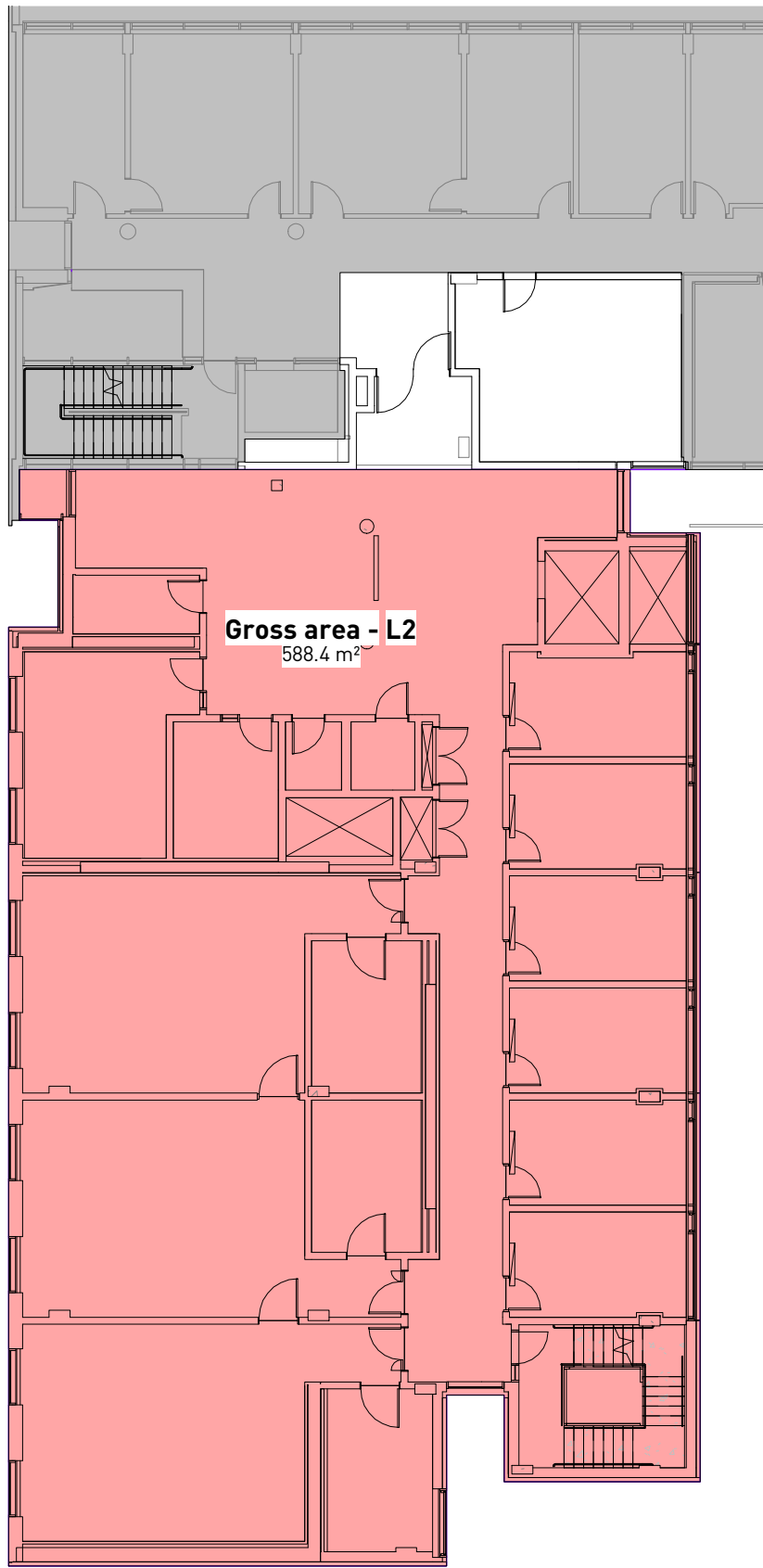
2 Gross area plan DP - L1
1 / A2.01 1 : 200



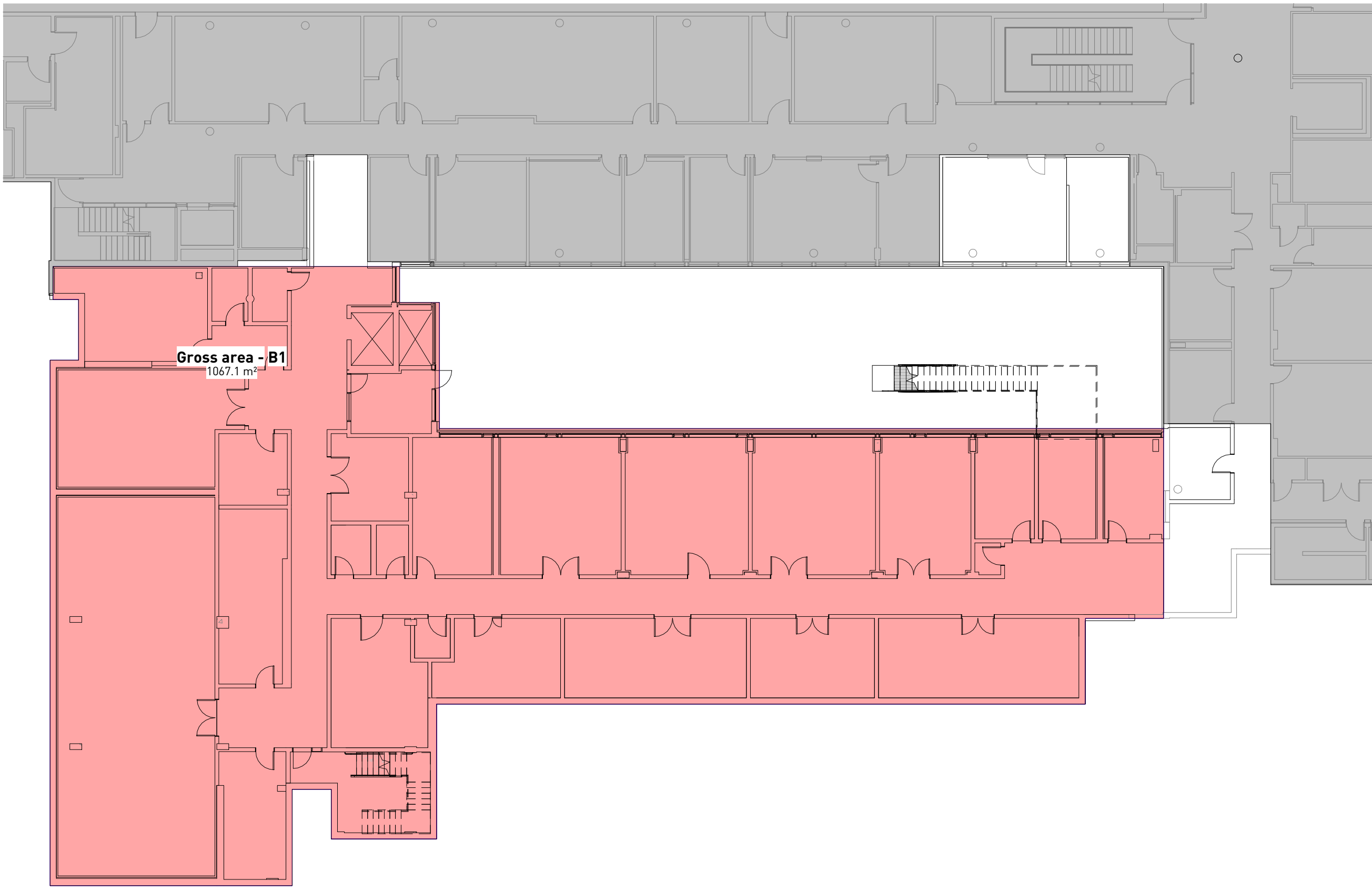
7 Gross area plan DP - L6
1 / A2.01 1 : 200



5 Gross area plan DP - L4
1 / A2.01 1 : 200



3 Gross area plan DP - L2
1 / A2.01 1 : 200



1 Gross area plan DP - B1
1 / A2.02 1 : 200

Gross area summary

| | |
|-------------|-----------|
| B1 | 1067.1 m² |
| L1 | 588.4 m² |
| L2 | 588.4 m² |
| L3 | 588.4 m² |
| L4 | 568.3 m² |
| L5 | 561.5 m² |
| L6 | 561.5 m² |
| Roof | 63.0 m² |
| Grand total | 4586.6 m² |

Legend

- New addition
- Existing to be renovated
- Existing to be maintained

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Addition

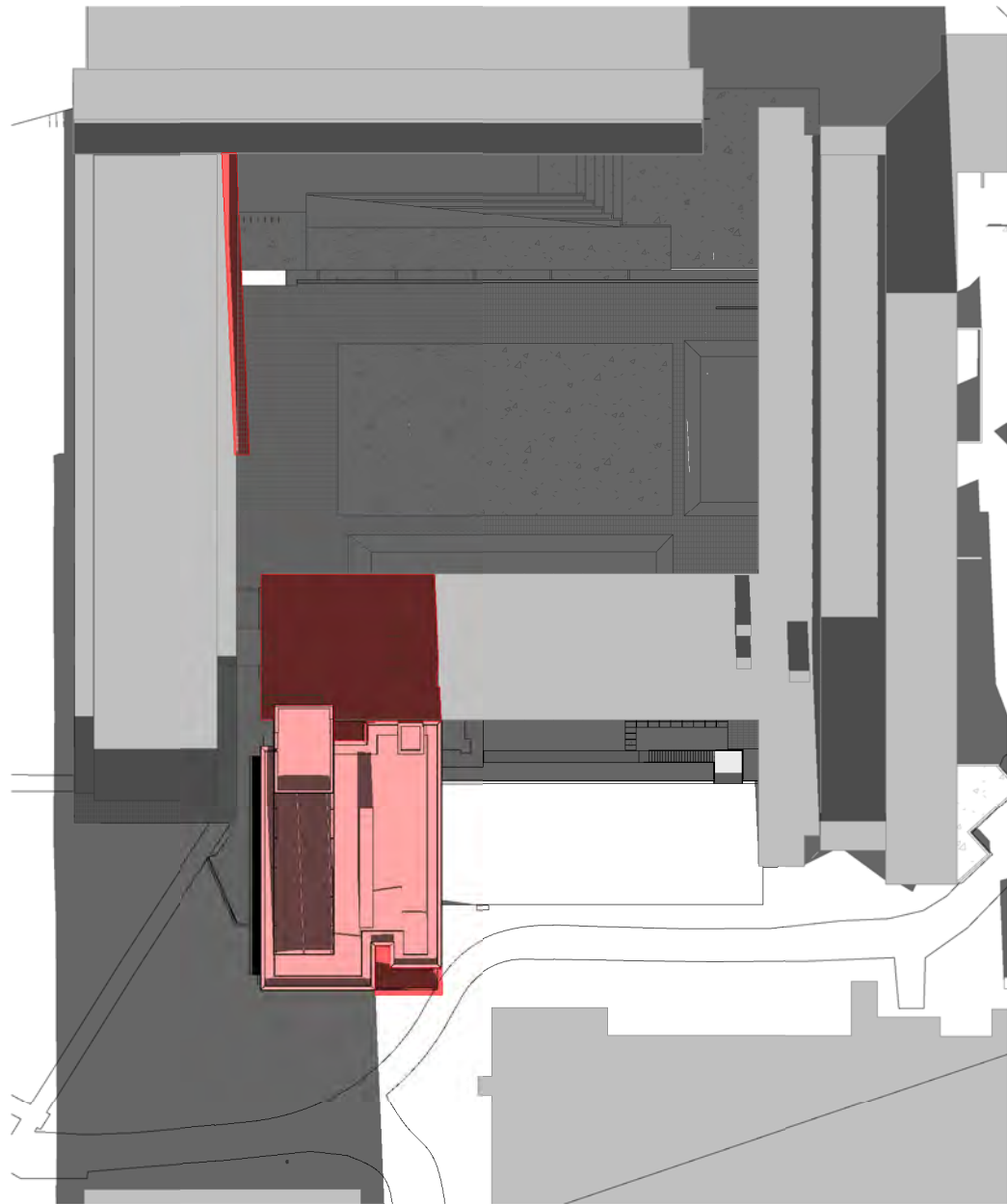
2212 Main Mall, Vancouver, BC

PROJECT CODE
2121
SCALE
As indicated

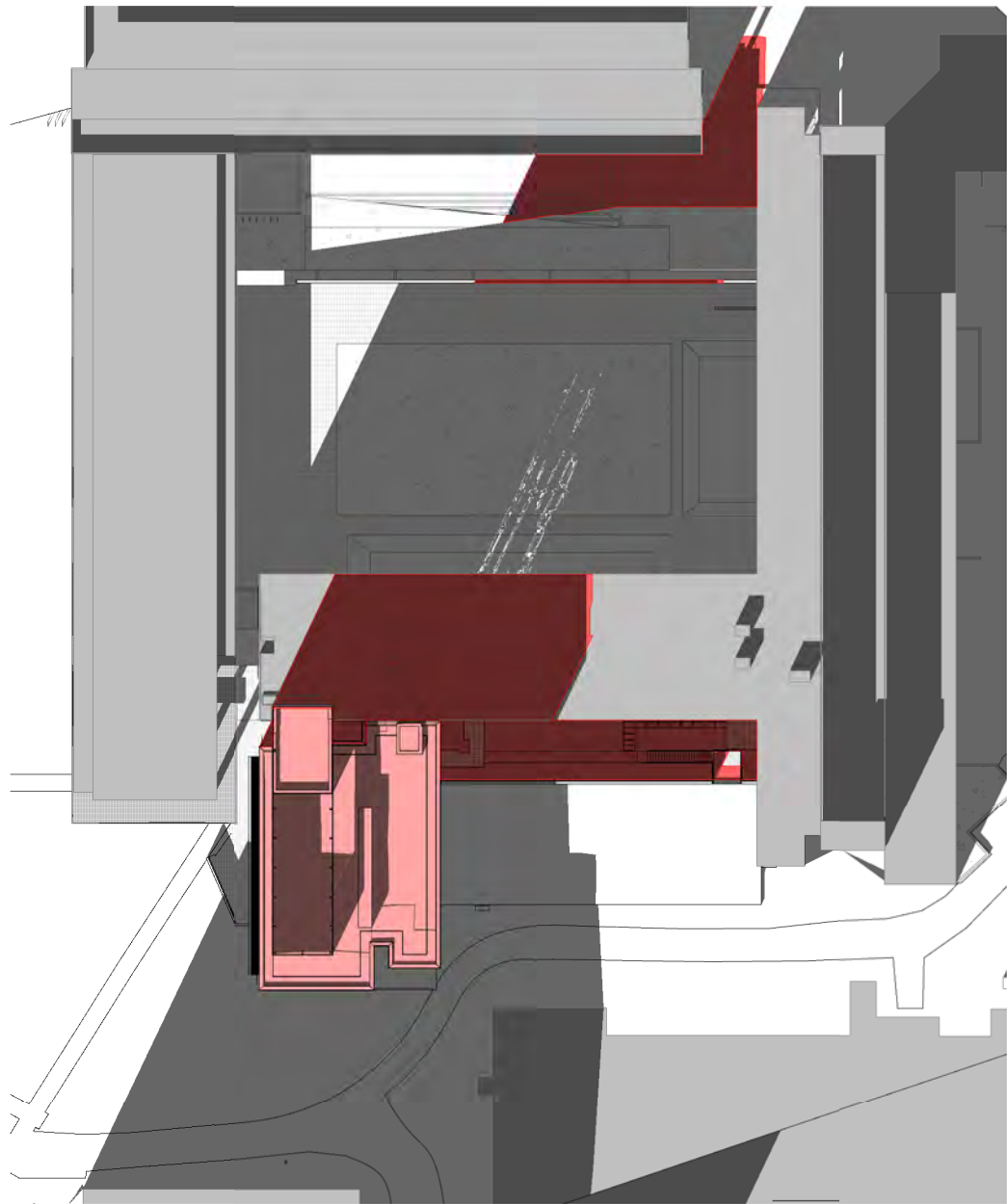
Gross area plans

SHEET

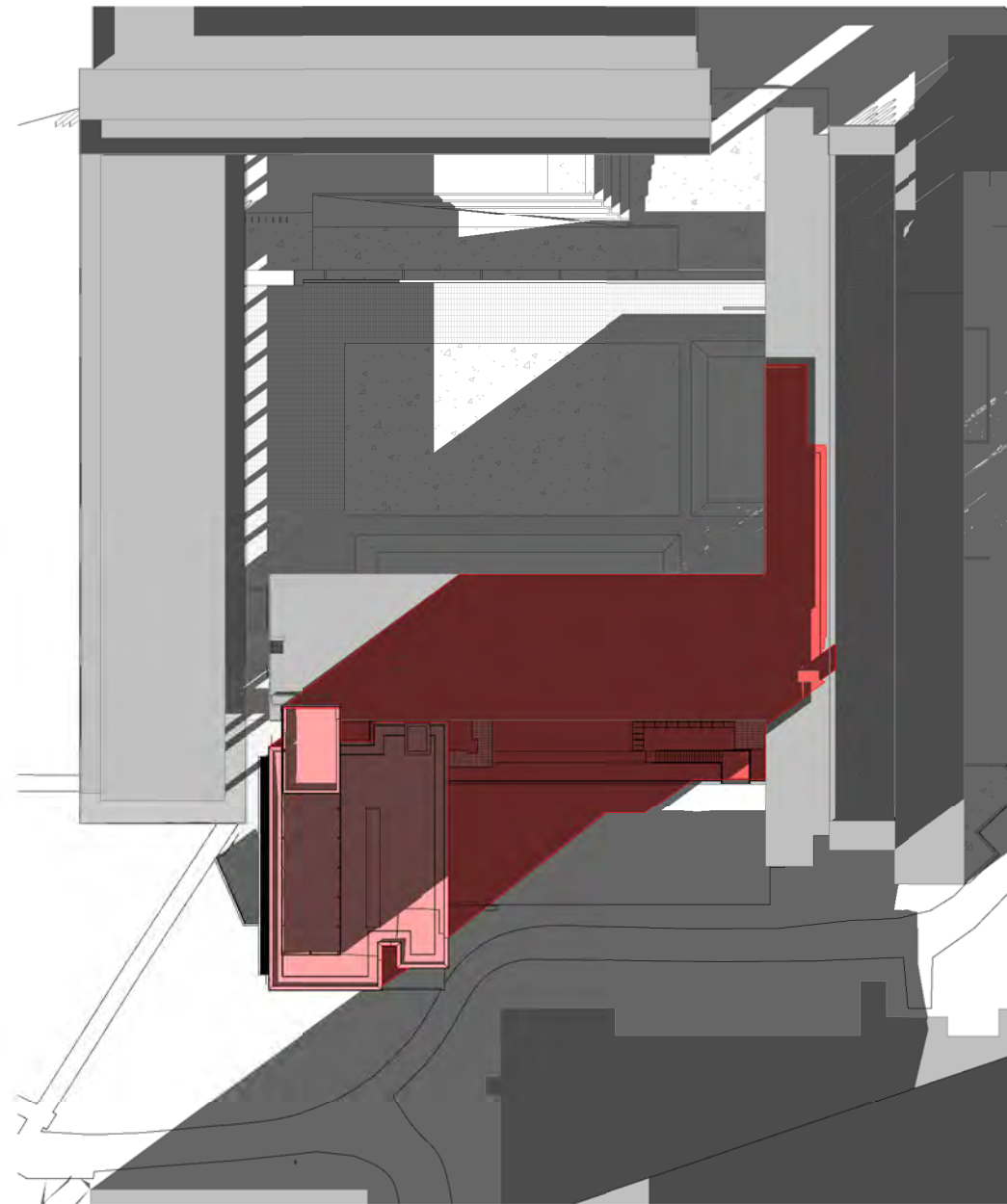
DP G0.02



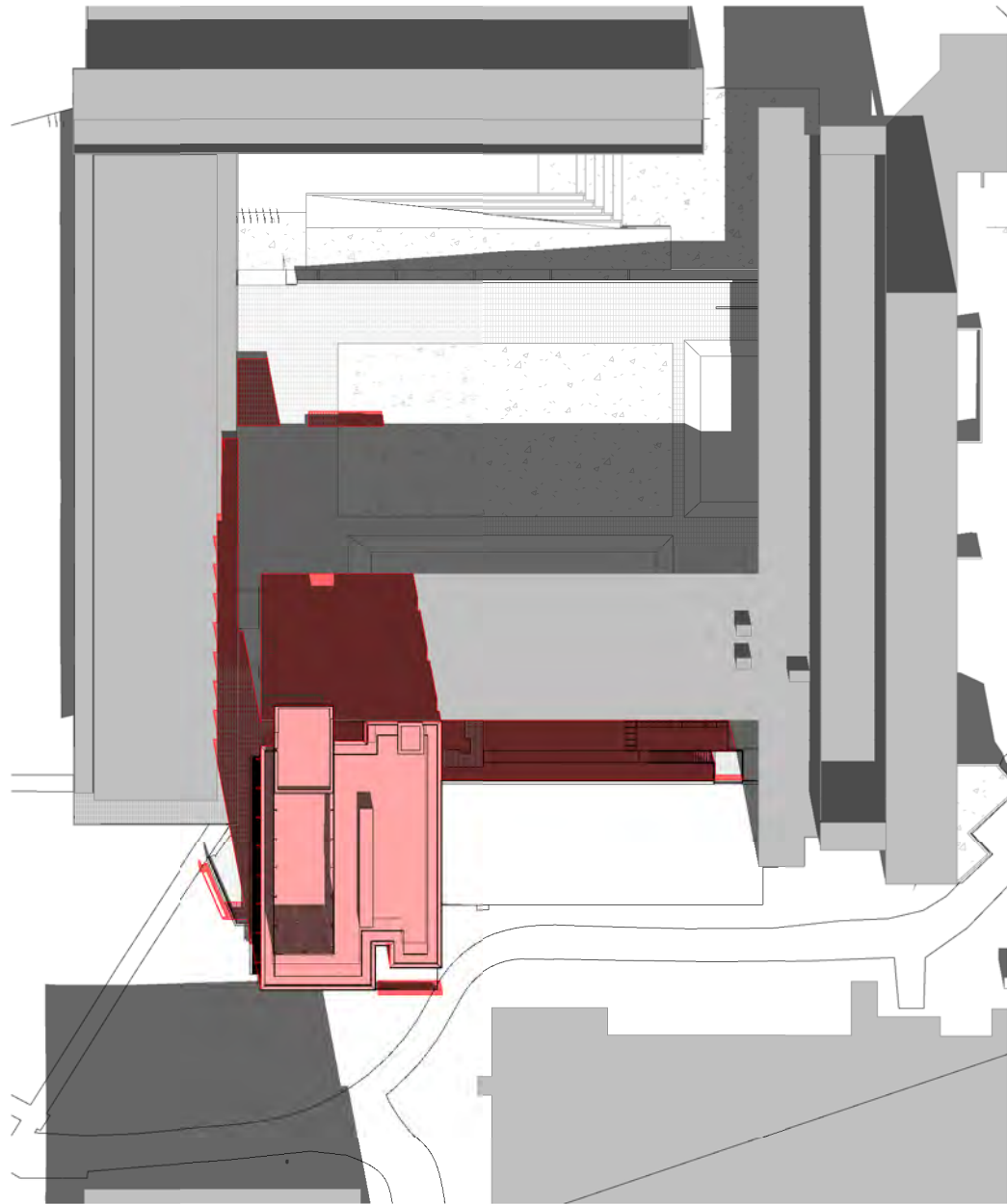
Winter solstice at 10am



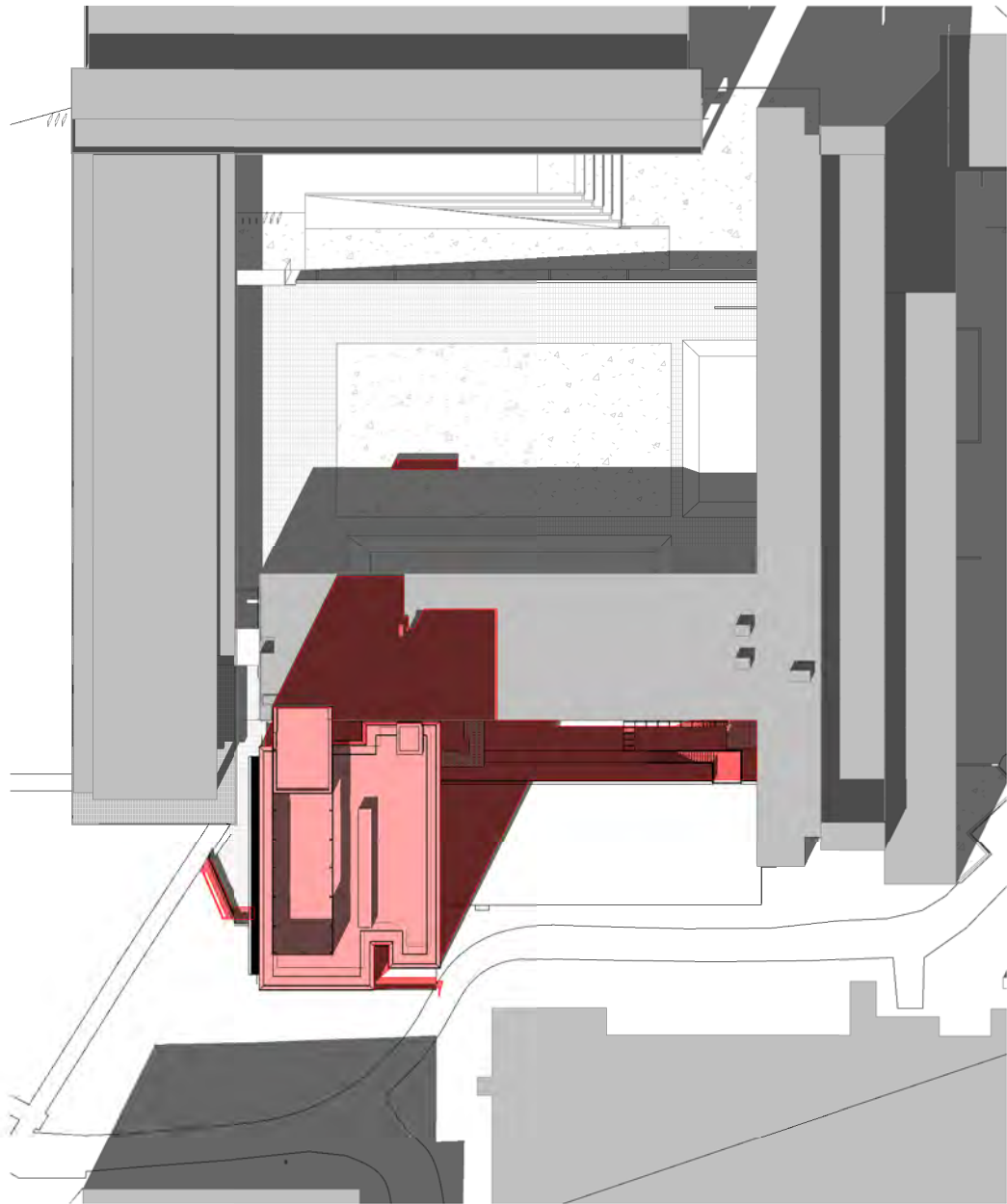
Winter solstice at 12pm



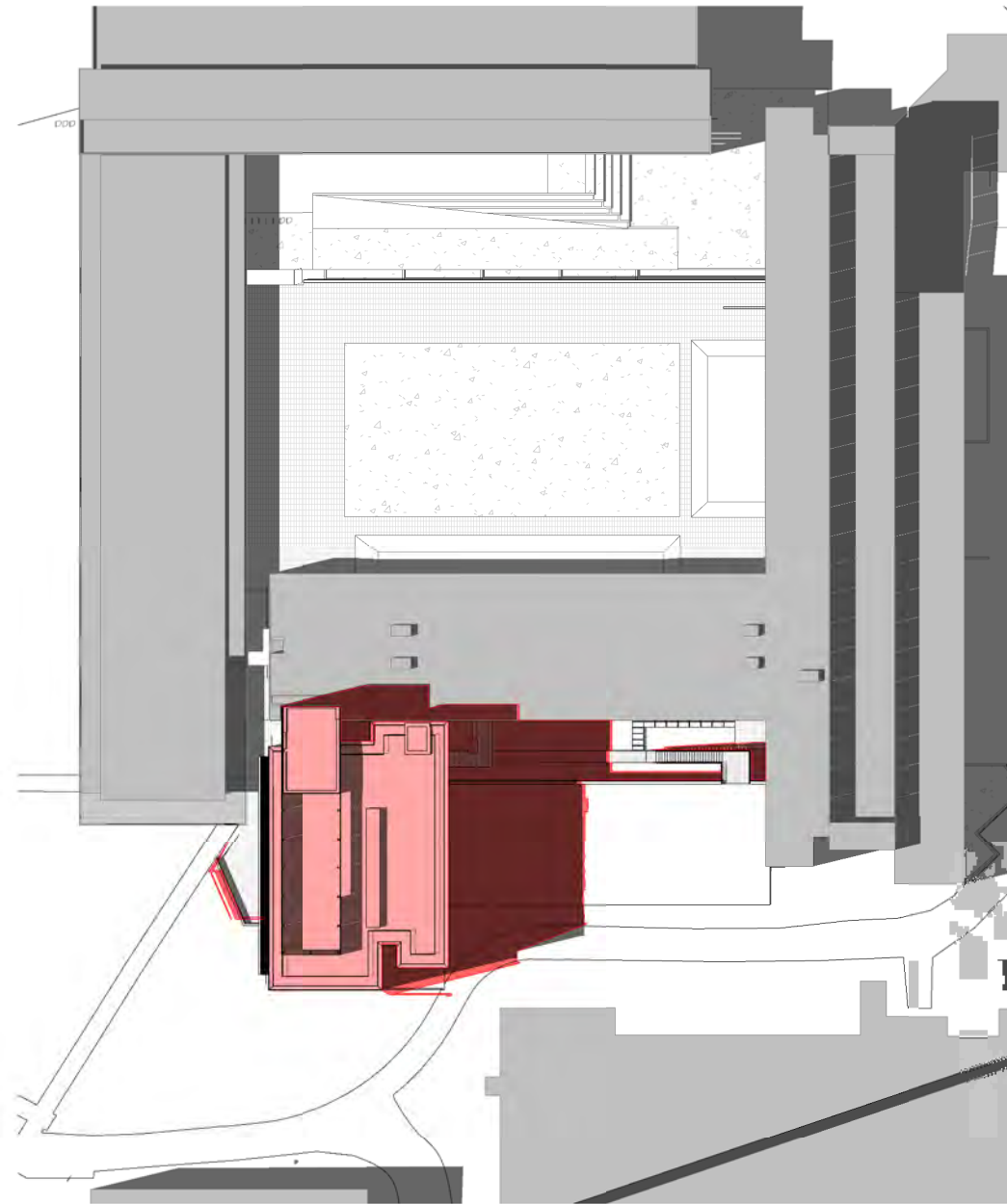
Winter solstice at 2pm



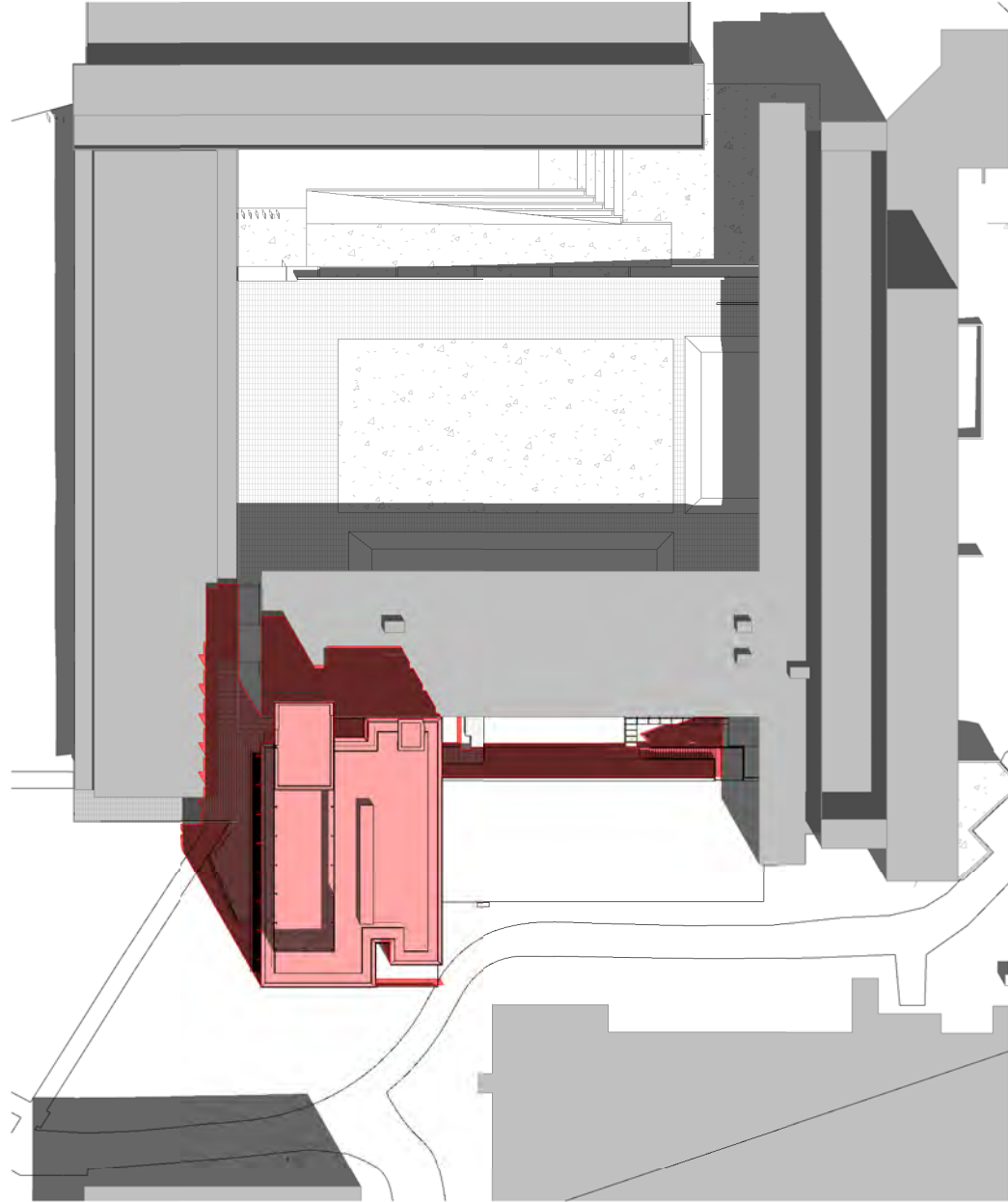
Spring equinox at 10am



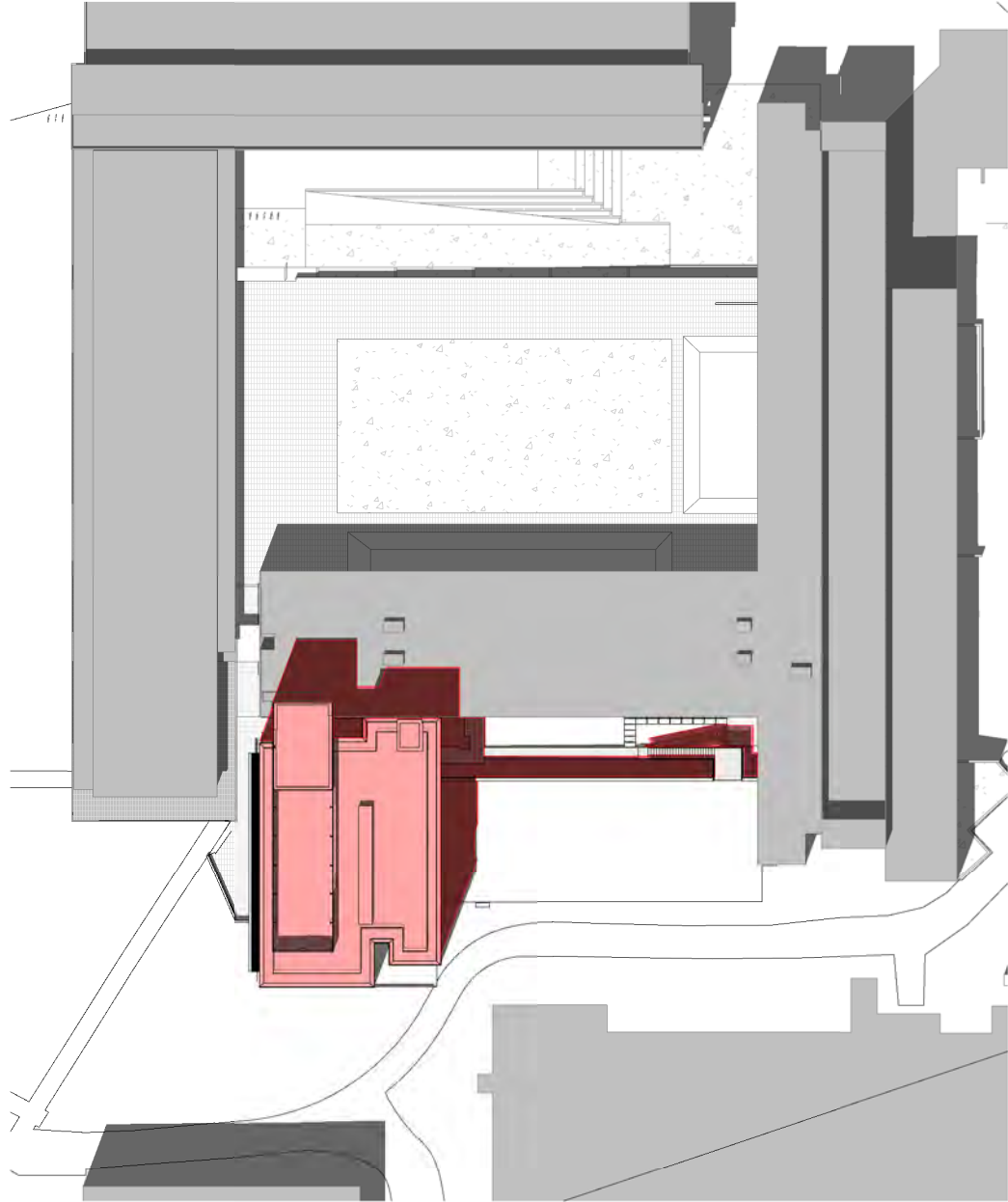
Spring equinox at 12pm



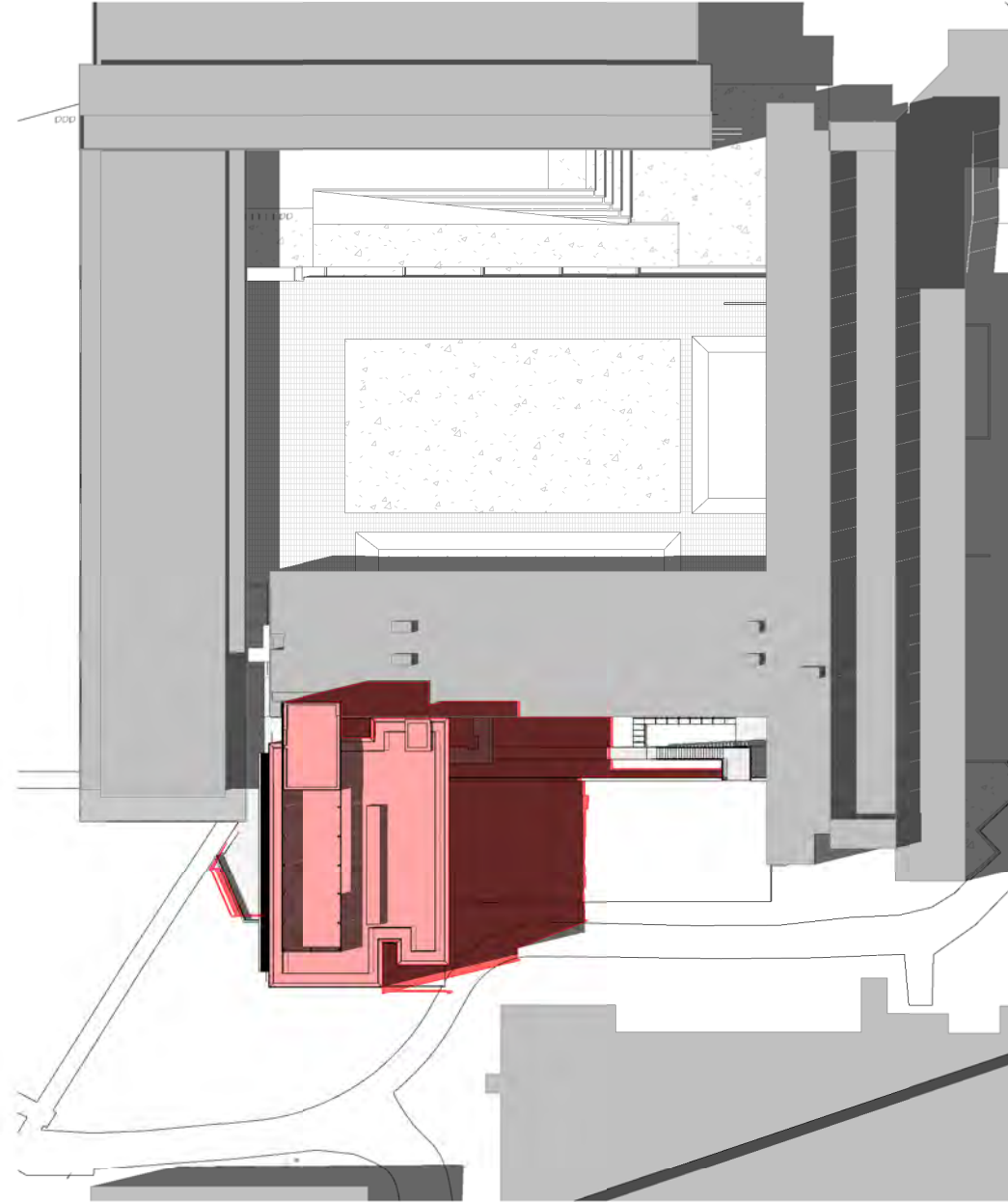
Spring equinox at 2pm



Summer solstice at 10am



Summer solstice at 12pm



Summer solstice at 2pm

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Addition

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Shadow analysis

SHEET

DP G0.03



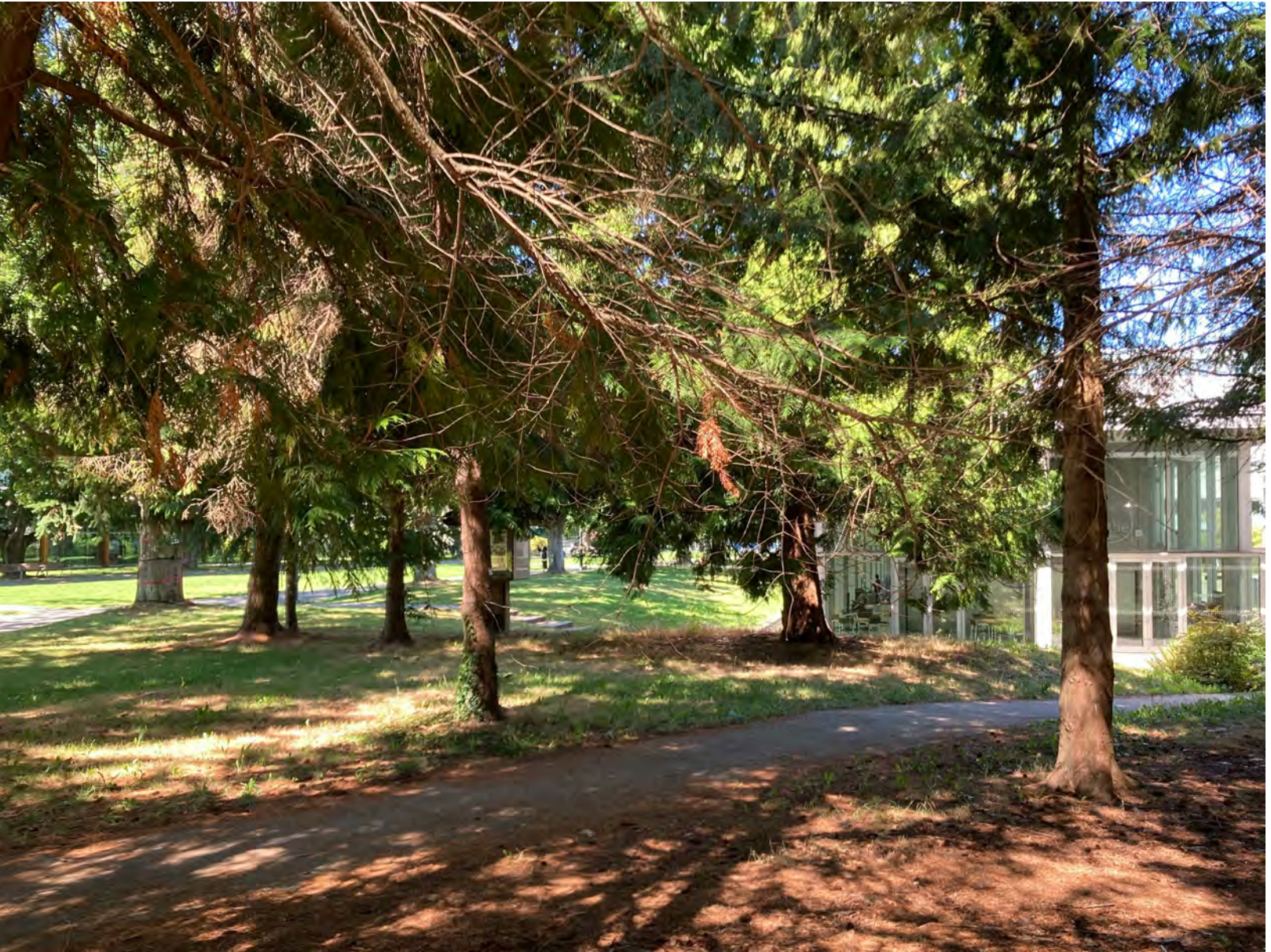
1. Looking east at project site from Main Mall



2. Looking north at project site from Civil Mechanical Engineering Building



3. Looking south at project site from existing courtyard



4. Moving east on pedestrian path from Main Mall



5. Moving west on pedestrian path from East Mall



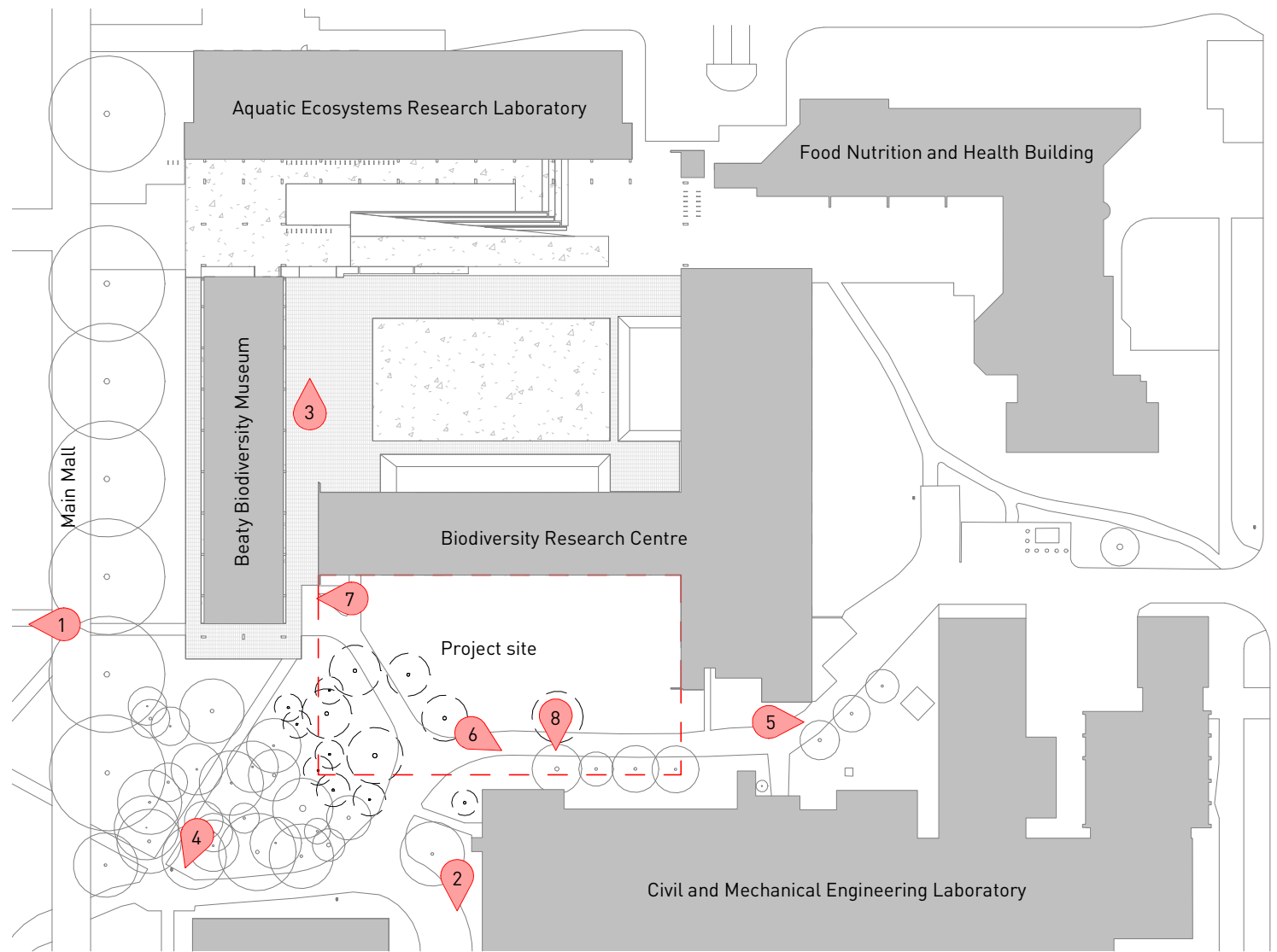
6. Moving west on pedestrian path from East Mall



7. Looking east at project site from the Beaty Biodiversity Museum



8. Looking north at project site from pedestrian path



Key plan

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| ISSUES • REVISIONS | | |
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| NO. | DATE | DESCRIPTION |
| C | Mar 29, 2022 | Issued for DP |
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UBC Beaty Biodiversity Centre Addition

2212 Main Mall, Vancouver, BC

PROJECT NORTH TRUE NORTH

PROJECT CODE
2121
SCALE
1 : 1000

Photographs

SHEET

DP G0.04

2212 Main Mall, Vancouver, BC

SHEET

DP G0.10

| ISSUES & REVISIONS | | |
|--------------------|--------------|------------------|
| NO. | DATE | DESCRIPTION |
| C | Mar 29, 2022 | Issued for DP |
| H | Jun 17, 2022 | Issued for DP R1 |

Graphic legend

Existing building areas
not in scope

B1 net area summary

| | |
|--|----------------------|
| Comm rm | 12.3 m ² |
| Custodial | 4.7 m ² |
| Digitization lab | 51.1 m ² |
| Elev rm | 28.5 m ² |
| Elev 3 | 5.6 m ² |
| Elev control | 4.8 m ² |
| Exhibits design workshop | 41.7 m ² |
| Fossil repository/ collections storage | 150.1 m ² |
| Fridge and freezer bank | 29.6 m ² |
| GIS room | 27.3 m ² |
| Mech | 3.6 m ² |
| Mech | 2.1 m ² |
| Mech shaft | 4.7 m ² |
| Mech UV | 20.4 m ² |
| Mechanical ERV | 30.9 m ² |
| MI collections lab | 42.5 m ² |
| Office | 15.0 m ² |
| Office, curator fossils | 14.6 m ² |
| Office, education & outreach | 15.2 m ² |
| Office, exhibits design | 42.5 m ² |
| Office, interpretation | 31.4 m ² |
| Stair 1A | 22.5 m ² |
| Storage, education & outreach | 23.4 m ² |
| Storage, exhibit components | 36.6 m ² |
| Storage, indoor items | 16.5 m ² |
| Storage, marketing, event, & store | 25.0 m ² |
| Storage, outdoor items | 40.3 m ² |
| Vestibule | 12.7 m ² |
| WC | 5.0 m ² |
| WC | 4.1 m ² |
| Grand total | 764.7 m ² |

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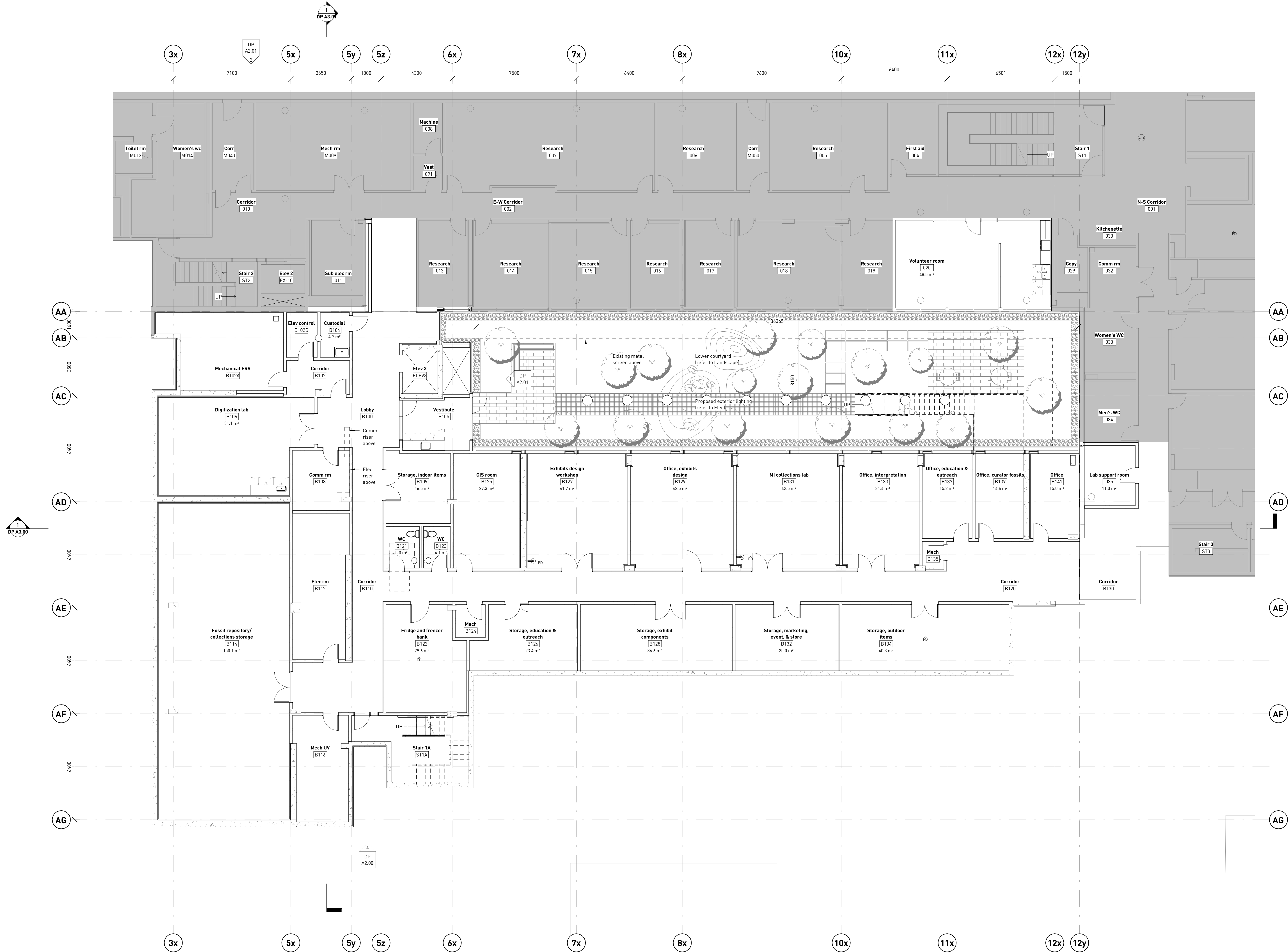
2212 Main Mall, Vancouver, BC

PROJECT CODE
2121
SCALE
As indicated

Floor plan - B1

SHEET

DP A1.00



Graphic legend

Existing building areas
not in scope

L1 net area summary

| | |
|--------------------------|----------|
| Bike storage | 22.7 m² |
| Comm closet | 0.6 m² |
| Custodial | 4.6 m² |
| Elev closet | 1.8 m² |
| Elev 3 | 5.6 m² |
| Mech shaft | 4.5 m² |
| Multipurpose room | 78.0 m² |
| Office | 15.1 m² |
| Office | 15.1 m² |
| Office | 15.1 m² |
| Office | 15.1 m² |
| Office | 15.1 m² |
| Open area w/ kitchenette | 80.7 m² |
| Open collaboration | 20.9 m² |
| Stair 1A | 19.5 m² |
| UTR | 5.4 m² |
| WC | 4.2 m² |
| WC | 4.2 m² |
| Workshop room (dirty) | 67.4 m² |
| Grand total | 409.9 m² |

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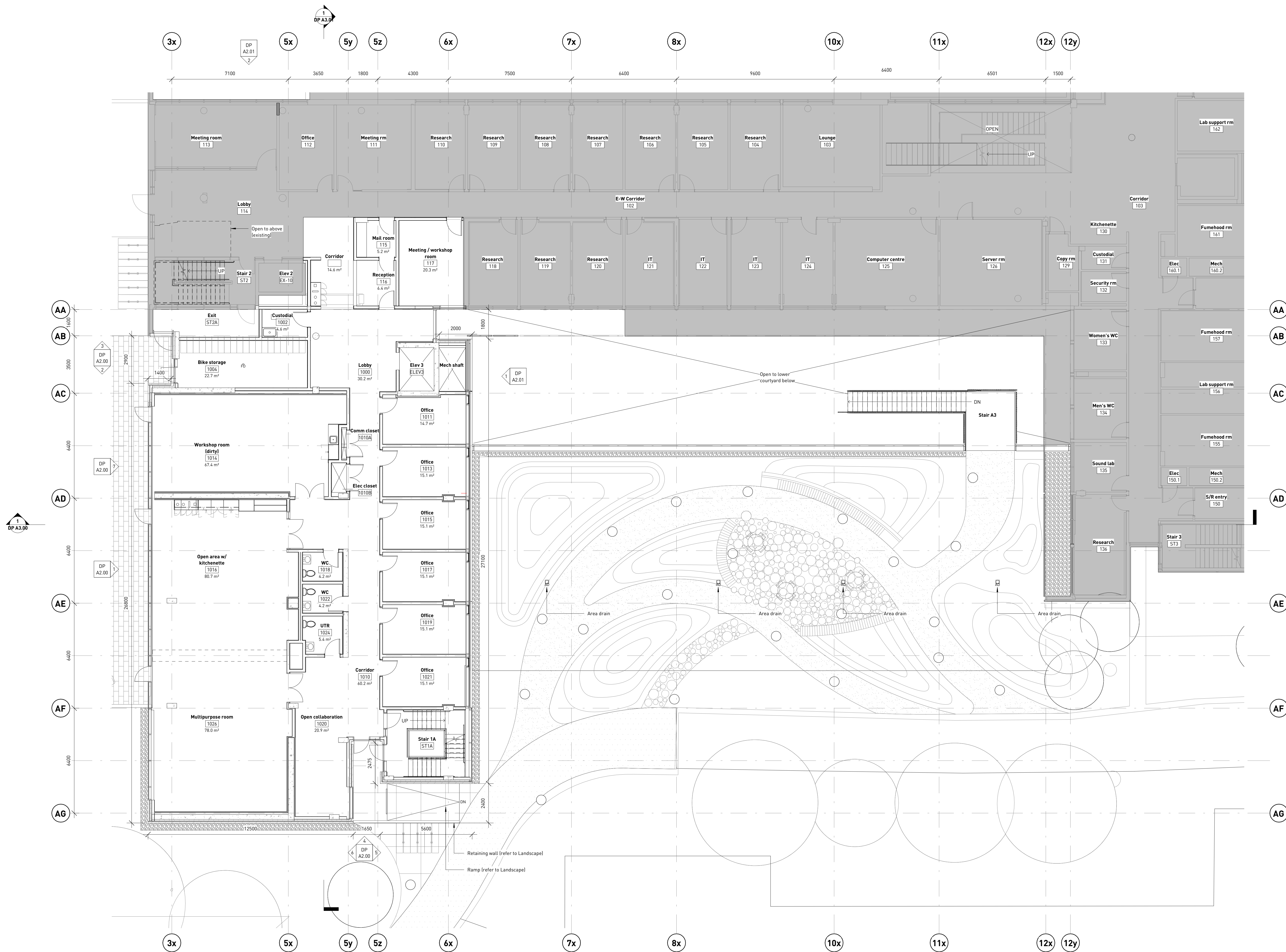
2212 Main Mall, Vancouver, BC

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SCALE
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Floor plan - L1

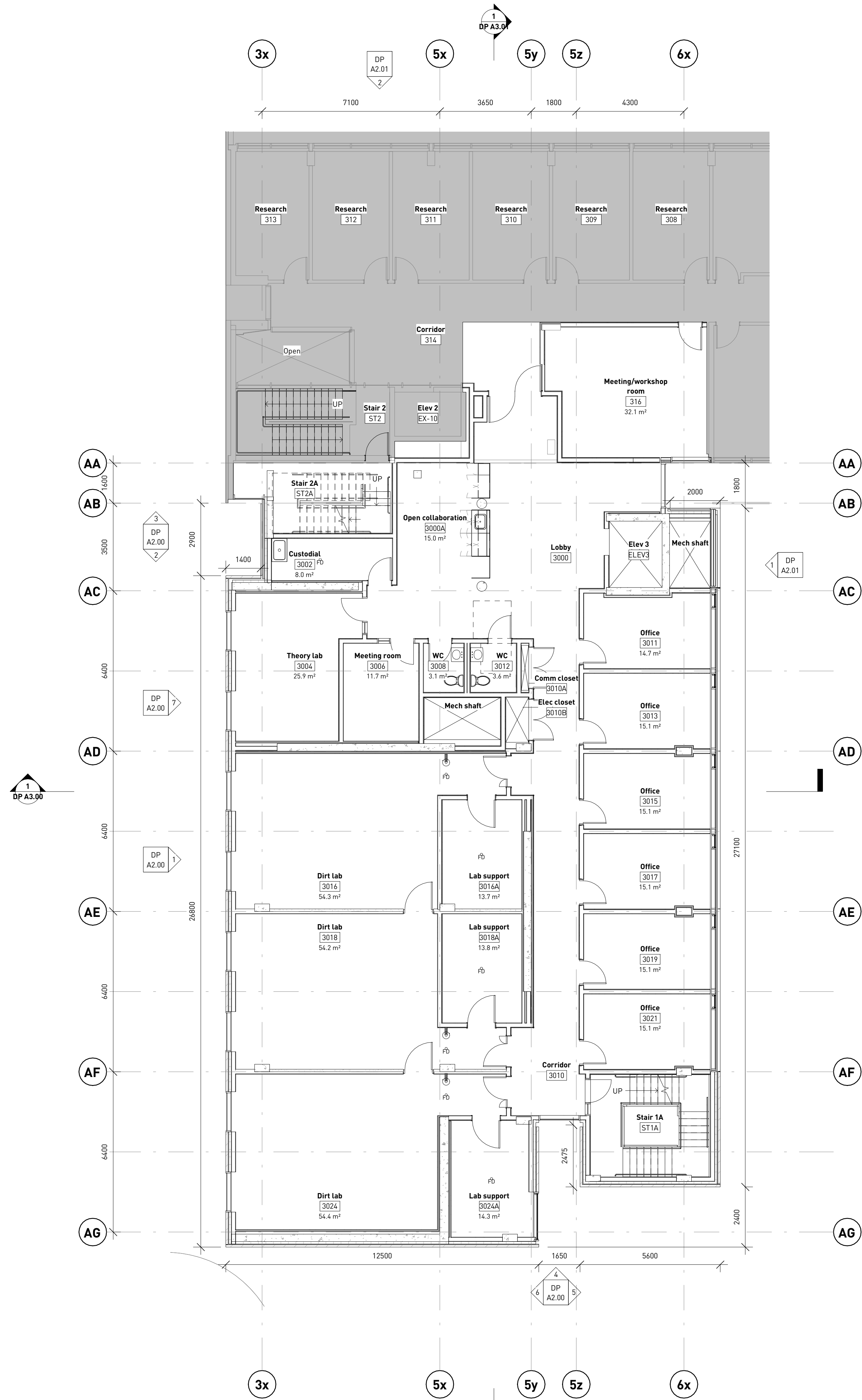
SHEET

DP A1.01

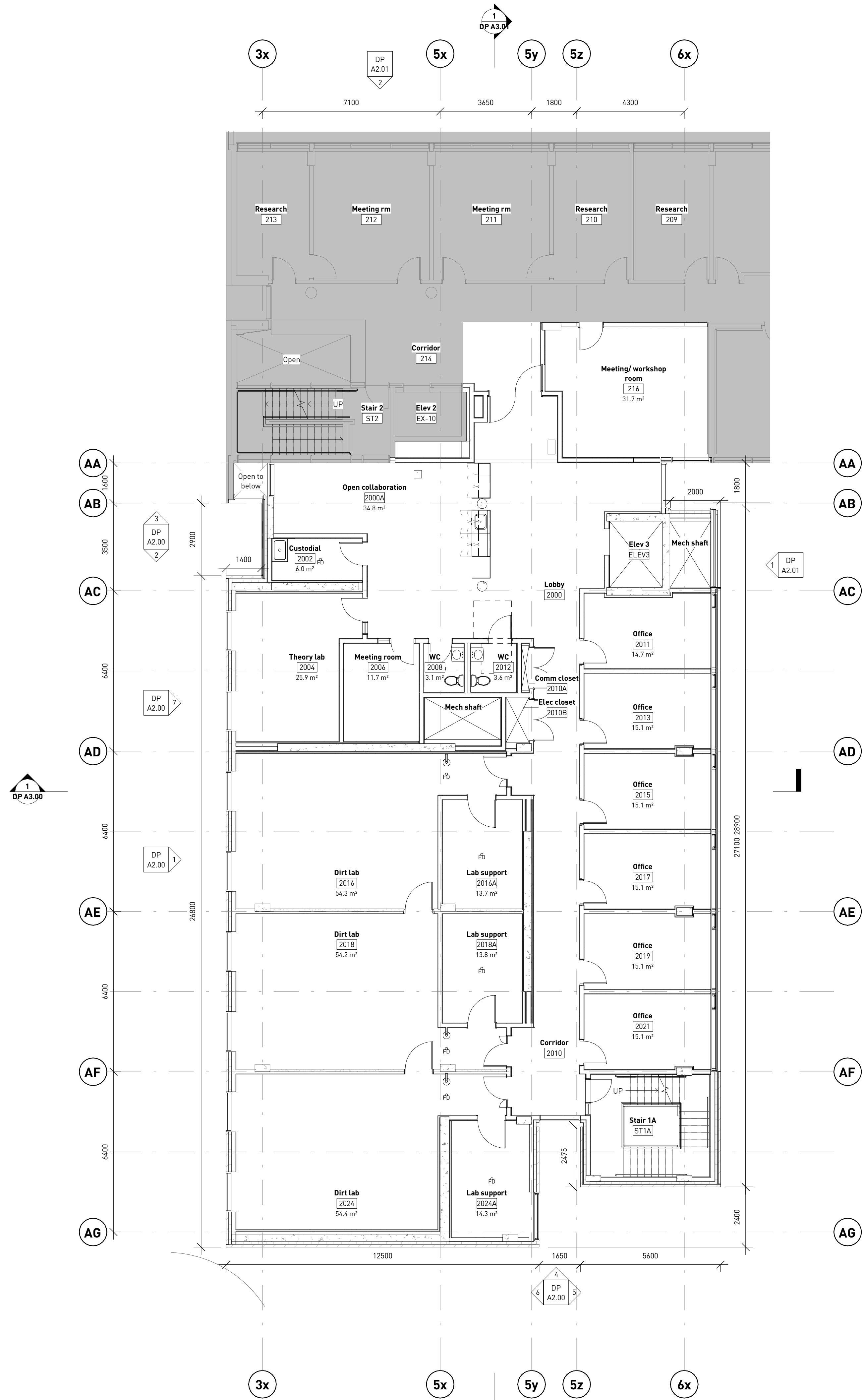


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2023.04.17 14:05 AM

2 Floor plan DP - L3
1 / A2.01 1 : 100



1 Floor plan DP - L2
1 / A2.01 1 : 100



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| ISSUES - REVISIONS | | |
|--------------------|--------------|------------------|
| NO. | DATE | DESCRIPTION |
| C | Mar 29, 2022 | Issued for DP |
| H | Jun 17, 2022 | Issued for DP R1 |

Graphic legend

Existing building areas
not in scope

L2 net area summary

| | |
|--------------------|----------|
| Comm closet | 0.6 m² |
| Custodial | 6.0 m² |
| Dirt lab | 54.2 m² |
| Dirt lab | 54.4 m² |
| Dirt lab | 54.3 m² |
| Elev 3 | 1.8 m² |
| Elev 3 | 5.6 m² |
| Lab support | 13.7 m² |
| Lab support | 13.8 m² |
| Lab support | 14.3 m² |
| Mech shaft | 5.8 m² |
| Mech shaft | 4.5 m² |
| Meeting room | 11.7 m² |
| Office | 15.1 m² |
| Office | 15.1 m² |
| Office | 14.7 m² |
| Office | 15.1 m² |
| Office | 15.1 m² |
| Open collaboration | 34.8 m² |
| Stair 1A | 19.3 m² |
| Theory lab | 25.9 m² |
| WC | 3.6 m² |
| WC | 3.1 m² |
| Grand total | 417.3 m² |

L3 net area summary

| | |
|--------------------|----------|
| Comm closet | 0.6 m² |
| Custodial | 8.0 m² |
| Dirt lab | 54.2 m² |
| Dirt lab | 54.4 m² |
| Dirt lab | 54.3 m² |
| Elev 3 | 1.8 m² |
| Elev 3 | 5.6 m² |
| Lab support | 13.7 m² |
| Lab support | 13.8 m² |
| Lab support | 14.3 m² |
| Mech shaft | 4.5 m² |
| Mech shaft | 5.8 m² |
| Meeting room | 11.7 m² |
| Office | 15.1 m² |
| Office | 14.7 m² |
| Office | 15.1 m² |
| Office | 15.1 m² |
| Office | 15.1 m² |
| Office | 15.1 m² |
| Open collaboration | 15.0 m² |
| Stair 1A | 19.3 m² |
| Stair 2A | 15.6 m² |
| Theory lab | 25.9 m² |
| WC | 3.6 m² |
| WC | 3.1 m² |
| Grand total | 415.0 m² |

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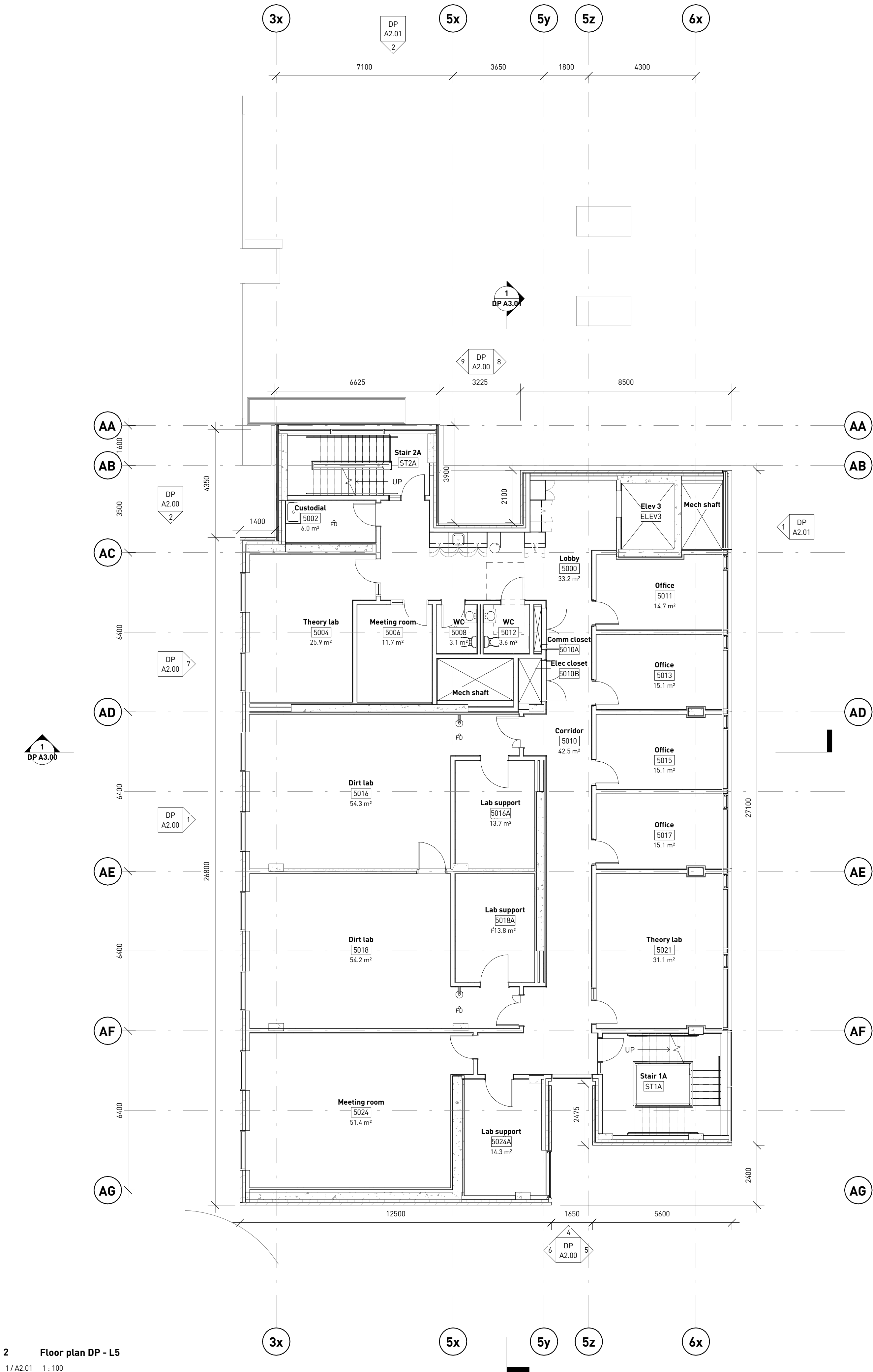
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SCALE
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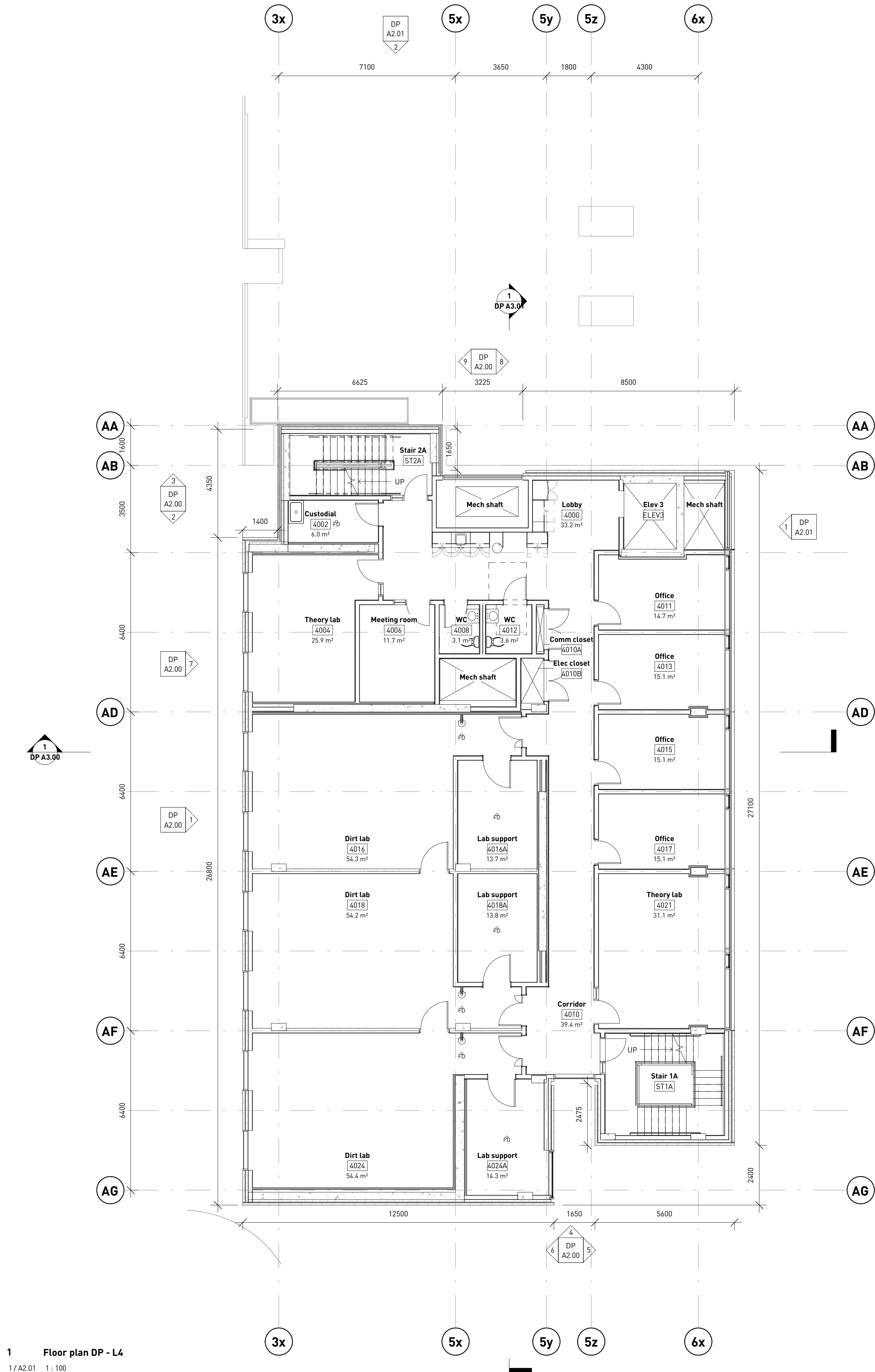
Floor plan - L2 and
L3

SHEET

DP A1.02



2 Floor plan DP - L5
1/A2.01 1:100



1 Floor plan DP - L4
1/A2.01 1:100

L4 net area summary

| | |
|--------------|----------|
| Comm closet | 0.6 m² |
| Custodial | 6.0 m² |
| Dirt lab | 54.2 m² |
| Dirt lab | 54.4 m² |
| Dirt lab | 54.3 m² |
| Dirt lab | 54.2 m² |
| Elev closet | 1.8 m² |
| Elev 3 | 5.6 m² |
| Lab support | 13.7 m² |
| Lab support | 13.8 m² |
| Lab support | 14.3 m² |
| Mech shaft | 4.5 m² |
| Mech shaft | 5.8 m² |
| Mech shaft | 7.3 m² |
| Meeting room | 11.7 m² |
| Office | 14.7 m² |
| Office | 15.1 m² |
| Office | 15.1 m² |
| Office | 15.1 m² |
| Stair 1A | 19.3 m² |
| Stair 2A | 13.8 m² |
| Theory lab | 25.9 m² |
| Theory lab | 31.1 m² |
| WC | 3.6 m² |
| WC | 3.1 m² |
| Grand total | 404.6 m² |

L5 net area summary

| | |
|--------------|----------|
| Comm closet | 0.6 m² |
| Custodial | 6.0 m² |
| Dirt lab | 54.2 m² |
| Dirt lab | 54.2 m² |
| Dirt lab | 54.2 m² |
| Elev closet | 1.8 m² |
| Elev 3 | 5.6 m² |
| Lab support | 14.3 m² |
| Lab support | 13.8 m² |
| Lab support | 13.7 m² |
| Lab support | 13.7 m² |
| Mech shaft | 4.5 m² |
| Mech shaft | 5.8 m² |
| Meeting room | 51.4 m² |
| Meeting room | 11.7 m² |
| Office | 15.1 m² |
| Office | 15.1 m² |
| Office | 14.7 m² |
| Office | 15.1 m² |
| Stair 1A | 19.3 m² |
| Stair 2A | 14.1 m² |
| Theory lab | 31.1 m² |
| Theory lab | 25.9 m² |
| WC | 3.1 m² |
| WC | 3.6 m² |
| Grand total | 394.5 m² |

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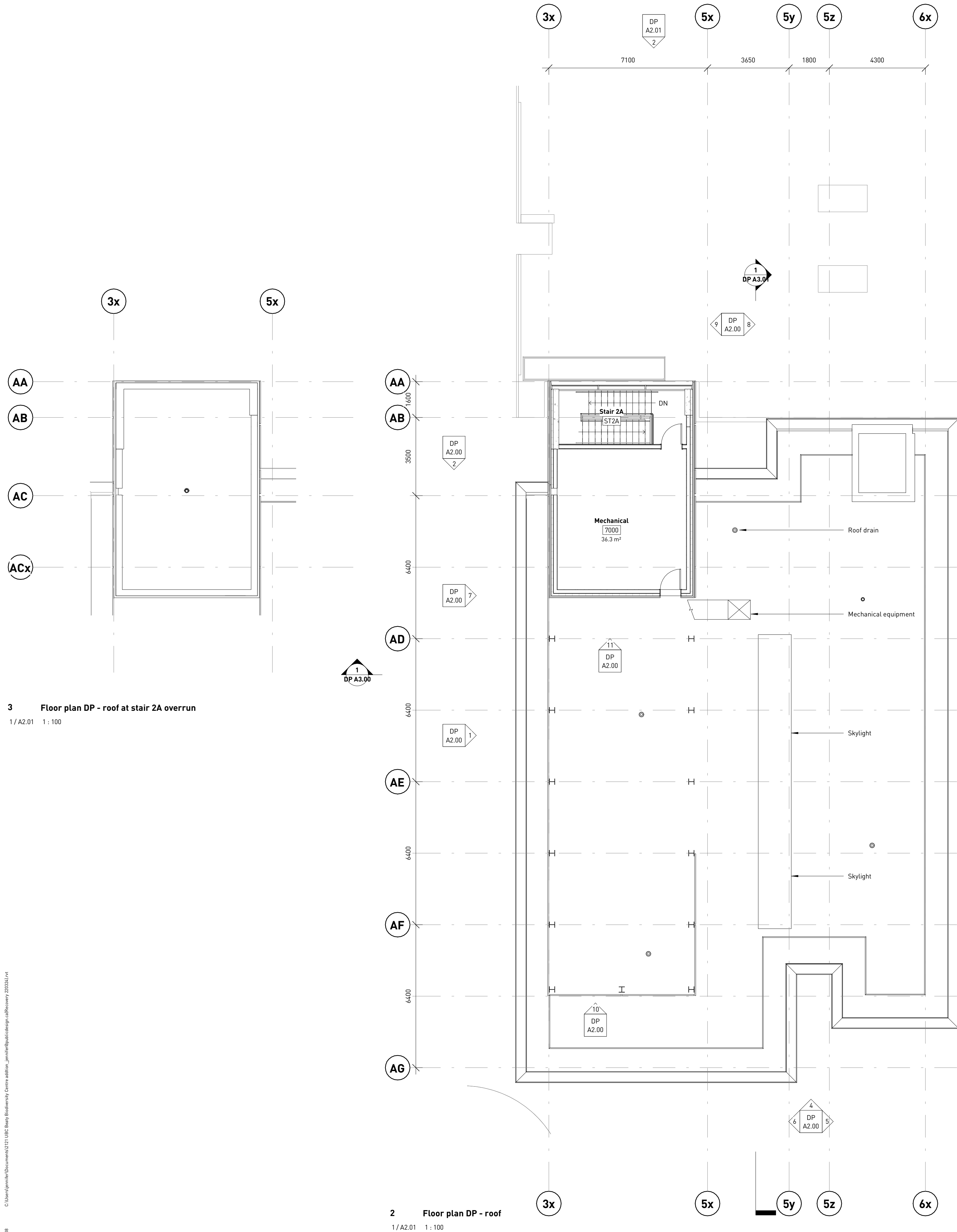
PROJECT CODE
2121
SCALE
1:100

Floor plan - L4 and
L5

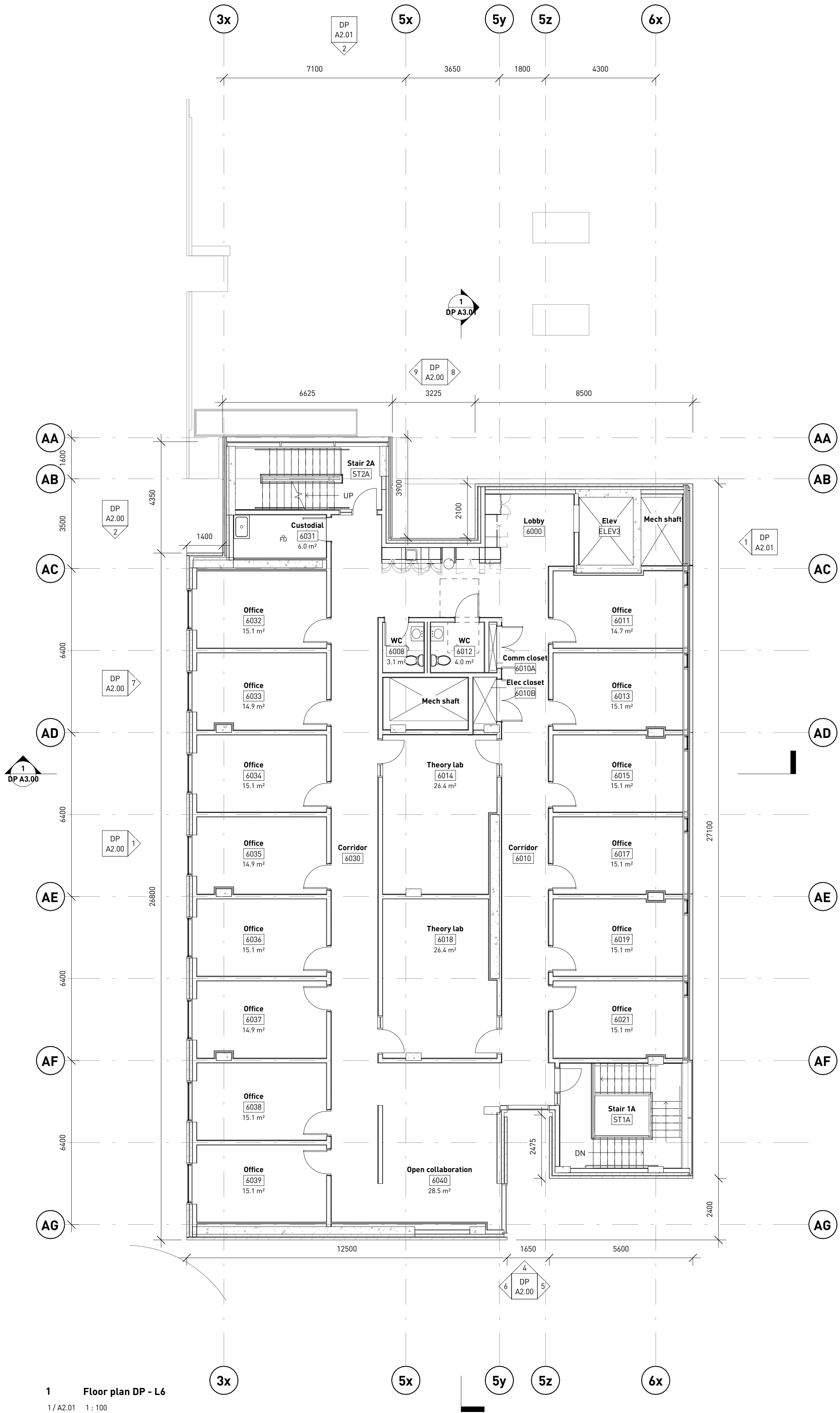
SHEET

DP A1.03

| ISSUES + REVISIONS | | |
|--------------------|--------------|------------------|
| NO. | DATE | DESCRIPTION |
| C | Mar 29, 2022 | Issued for DP |
| H | Jun 17, 2022 | Issued for DP R1 |



3 Floor plan DP - roof at stair 2A overrun
1 / A2.01 1 : 100



1 Floor plan DP - L6
1 / A2.01 1 : 100

L6 net area summary

| | |
|--------------------|----------|
| Comm closet | 0.6 m² |
| Custodial | 6.0 m² |
| Elec closet | 1.8 m² |
| Elev | 5.6 m² |
| Mech shaft | 4.5 m² |
| Mech shaft | 6.6 m² |
| Office | 14.7 m² |
| Office | 15.1 m² |
| Office | 15.1 m² |
| Office | 15.1 m² |
| Office | 15.1 m² |
| Office | 15.1 m² |
| Office | 14.9 m² |
| Office | 15.1 m² |
| Office | 15.1 m² |
| Office | 14.9 m² |
| Office | 15.1 m² |
| Open collaboration | 28.5 m² |
| Stair 1A | 19.5 m² |
| Stair 2A | 14.1 m² |
| Theory lab | 26.4 m² |
| Theory lab | 26.4 m² |
| WC | 3.1 m² |
| WC | 4.0 m² |
| Grand total | 357.4 m² |

Roof area summary

| | |
|-------------|---------|
| Mechanical | 36.3 m² |
| Stair 2A | 14.1 m² |
| Grand total | 50.3 m² |

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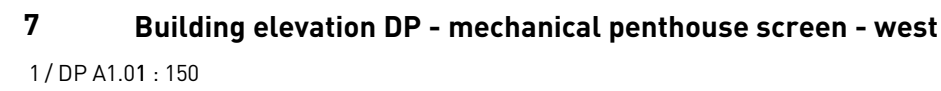
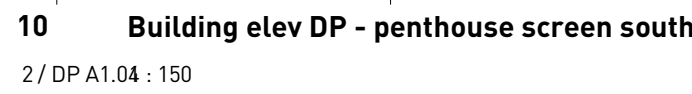
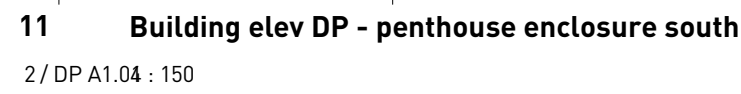
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2121
SCALE
1 : 100

Floor plan - L6 and
roof

SHEET

DP A1.04



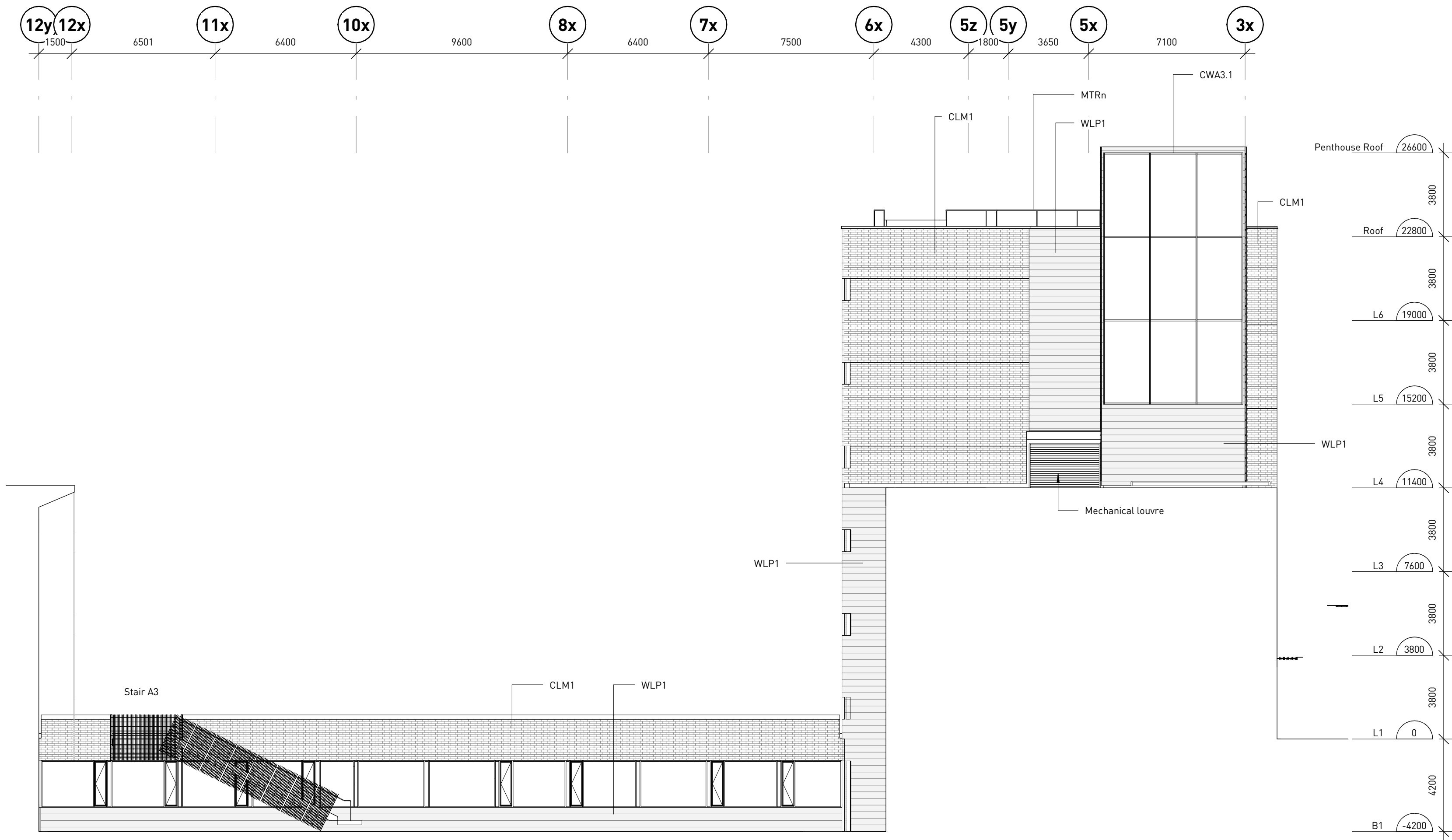
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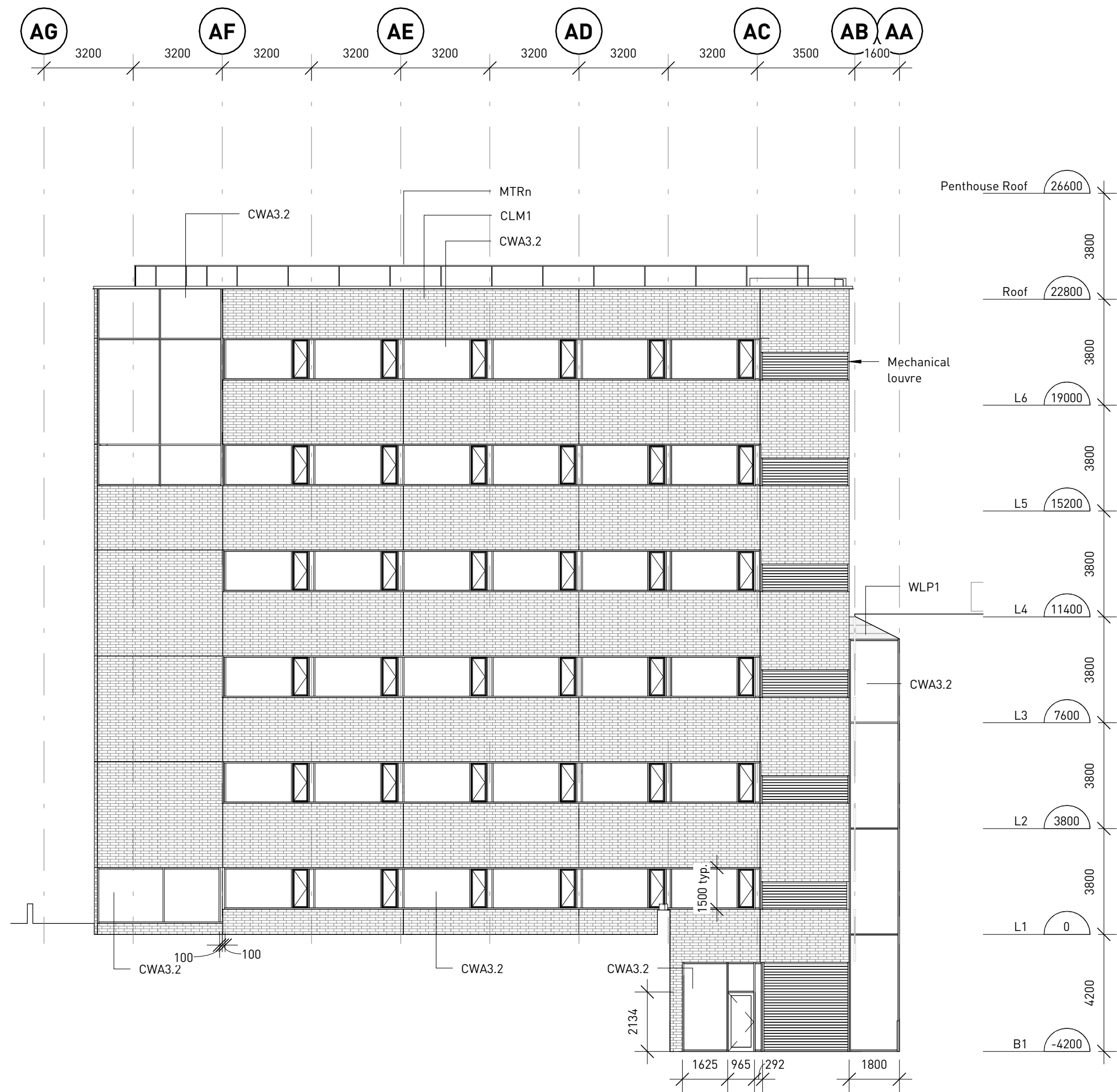
SHEET

DP A2.00

| ISSUES • REVISIONS | | DESCRIPTION |
|--------------------|--------------|------------------|
| NO. | DATE | |
| H | Jun 17, 2022 | Issued for DP R1 |



2 Building elevation DP - north
1 / DP A1.00 : 150



1 Building elevation DP - east
1 / DP A1.00 : 150

| Keynote | Description |
|---------|---|
| CLM1 | Brick masonry |
| CWA3.1 | Fully captured glazed curtain wall |
| CWA3.2 | Structural silicone glazed curtain wall |
| MTRn | Metal guard and railings |
| WLP1 | Metal wall panel |

public

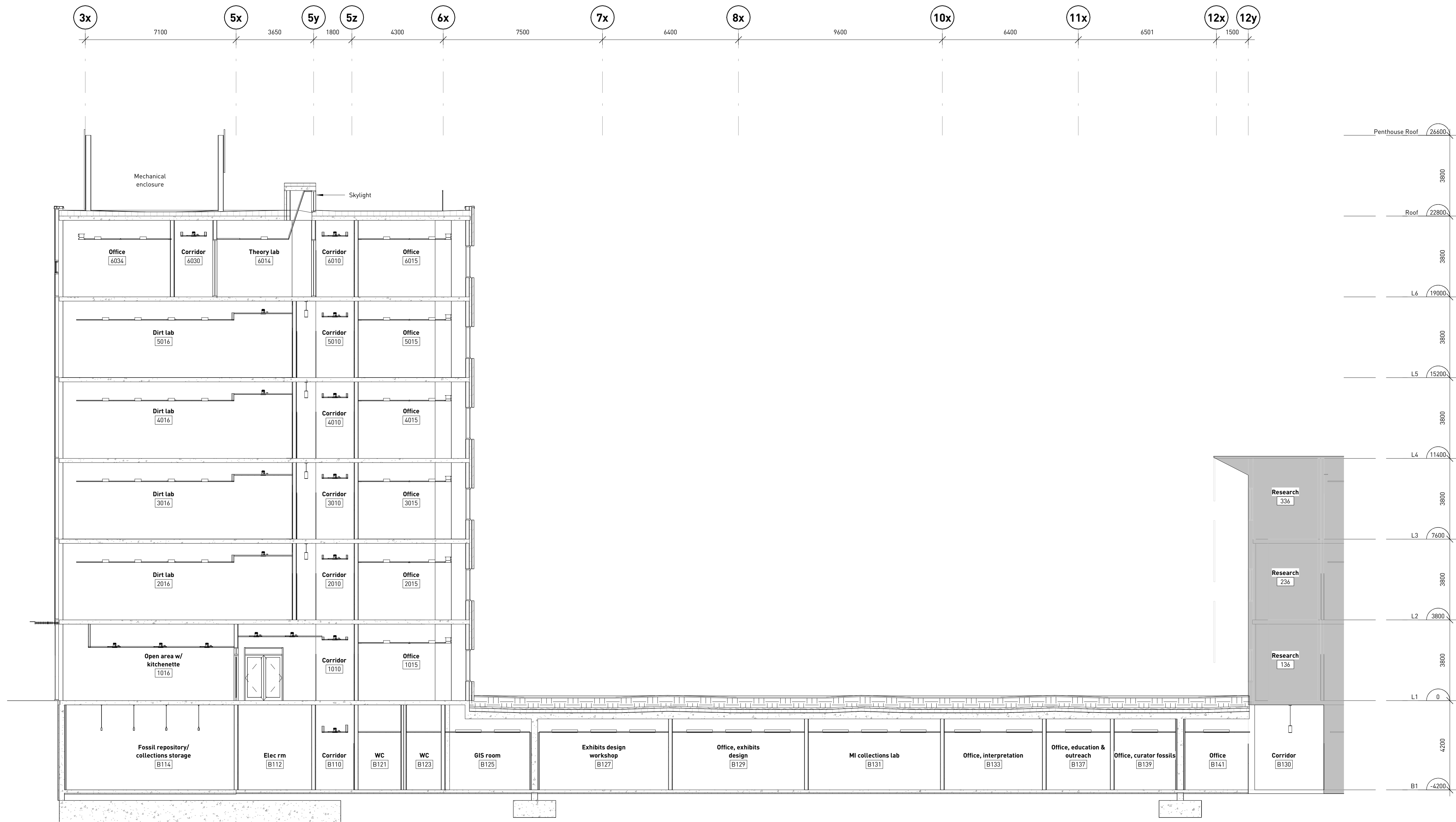
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SCALE
1 : 150

Building elevations
SHEET
DP A2.01



1 Building section DP - east west
1/ DP A1.00 : 100

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SCALE
1 : 100

Building sections

SHEET

DP A3.00

| ISSUES + REVISIONS | | DESCRIPTION |
|--------------------|--------------|------------------|
| NO. | DATE | |
| H | Jun 17, 2022 | Issued for DP R1 |



1 Building section DP - north south
1 / DP A1.03 : 100

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SCALE
1 : 100

Building sections

SHEET

DP A3.01