

2 December 2021



Knut Menden
Betti and Knut
59 Buttonshaw Drive
Coledale NSW 2515

Dear Knut

1. German International School Sydney – Traffic Impact Statement

ptc. has been engaged by Betti and Knut, on behalf of the German International School Sydney (GISS), to prepare a Traffic Impact Statement (TIS) in relation to the proposed redevelopment at the GISS located at 33 Myoora Road, Terrey Hills.

This TIS will accompany a Development Application (DA) to Northern Beaches Council for the development of a new science centre at the GISS. The proposed development also involves a small extension to the existing administrative building. It is highlighted that the project will not impact the number of students or staff on the campus and does not propose any changes to the existing car parking or vehicular access arrangements.

1.1 Project Background

The GISS is located in the suburb of Terrey Hills, approximately 30km north of the Sydney CBD. The school has an existing capacity of 430 students ranging between preschool to Year 12. The school has a staff population of 37 full-time equivalent (FTE) teaching staff and 14 FTE non-teaching staff. The location of the GISS is shown in Figure 1.

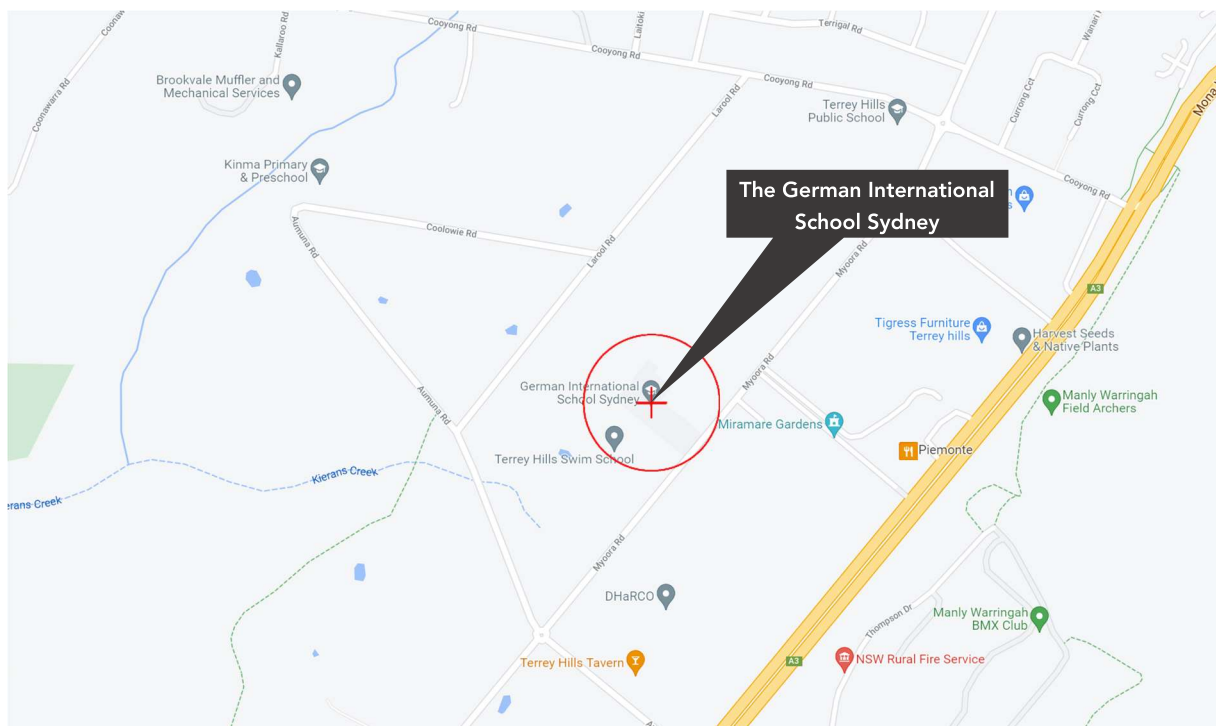


Figure 1 – Site Location (Source: Google Maps)

2. Proposed Development

As previously outlined, the redevelopment of the GISS will involve the construction of a new science centre facility to be located in the south-eastern portion of the school grounds. The proposal also involves an extension of the existing reception area in the administration building.

As previously outlined, the proposed redevelopment does not involve any increase to the existing staff or student population.

The proposed site plan illustrating the locations of the proposed science centre and extension to the reception area are shown in Figure 2.

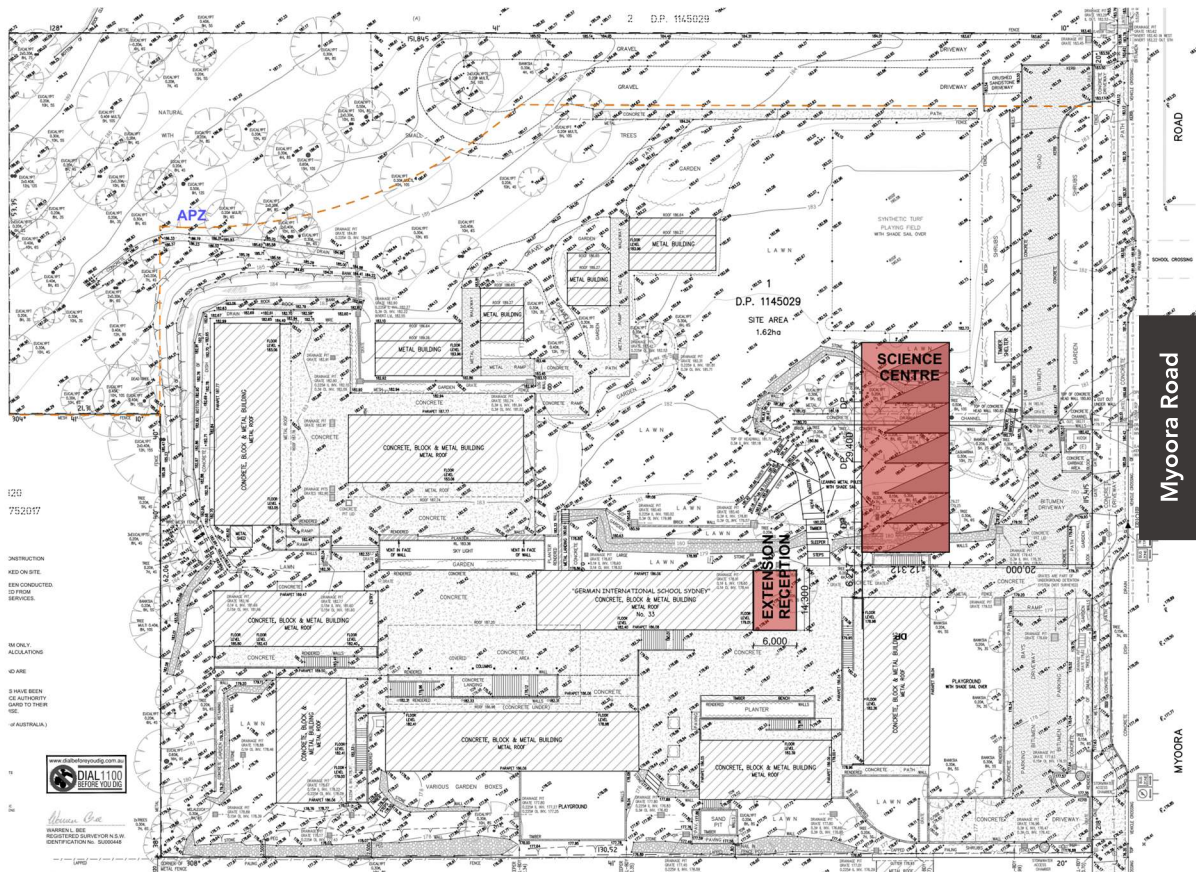


Figure 2 - Proposed Site Plan (Source: Betti and Knut)

3. Transport Environment

The existing transport facilities serving the GISS is illustrated in Figure 3.



Figure 3 - Existing Transport Facilities (Source: Nearmap)

3.1 Road Hierarchy

The GISS is primarily served by Myoora Road, which is a local road managed by Northern Beaches Council. Myoora Road forms the south-eastern frontage of the school and the carriageway is approximately 10m wide, with parking lanes on either side. Myoora Road has a posted speed limit of 50km/h and a 40km/h School Zone speed limit applies between 8am - 9:30am and 2:30pm - 4pm during school days.

3.2 Bus Services

In terms of bus facilities, there are two bus stops which serve the GISS which are located directly in front of the school on Myoora Road. The bus stops are serviced by the bus routes outlined in Table 1.

Table 1 - Bus Service Summary

Bus Route	Coverage (to and from)	Service Frequency
196	Mona Vale to Gordon	<p>Monday to Friday: One service in the morning, limited evening services run every 30 minutes</p> <p>Saturdays: Limited services throughout the day, every 1 hour</p>

Bus Route	Coverage (to and from)	Service Frequency
		Sundays: Limited services throughout the day, every 1 hour
197	Macquarie University to Mona Vale via Gordon	Monday to Friday: Every 15-30 minutes Saturdays: Every 1 hour Sundays: Every 1 hour
260	North Sydney to Terrey Hills	Monday to Friday: Evening services only, every 30 minutes Saturdays: No service Sundays: No service
270	City QVB to Terrey Hills	Monday to Friday: Every 15 minutes in morning and afternoon peak Saturdays: Every 30 minutes Sundays: Every 30 minutes
270X	City QVB to Terrey Hills (Express Service)	Monday to Friday: Every 30 minutes in evening peak only Saturdays: No service Sundays: No service
271	City QVB to Belrose	Monday to Friday: Every 30 minutes Saturdays: Every 30 minutes Sundays: Every 30 minutes
282	Chatswood to Davidson & Belrose	Monday to Friday: Evening services only Saturdays: Late night services only Sundays: Late night services only
283	Chatswood to Belrose	Monday to Friday: Limited afternoon and evening services only Saturdays: No service Sundays: One late night service only
284	Chatswood to Terrey Hills & Duffys Forest	Monday to Friday: Every 30 minutes in morning and afternoon peak Saturdays: Late night services only Sundays: Late night services only

As shown in Table 1, the school is serviced by a number of bus services typically operating with moderate frequency providing connectivity to the Sydney CBD, Chatswood and surrounding suburbs. Both of the existing bus stops are readily accessible by students being ideally located within the school frontage and are well-connected to the school by the existing children’s crossing on Myoora Road.

3.3 Active Transport

3.3.1 Cycling Network

The existing cycling network surrounding the school is illustrated in Figure 4. The cycling network is generally very limited and provides a moderate difficulty cycling route along Myoora Road. There are hard difficulty connections along Mona Vale Road; however, given the high traffic volumes of this State road, it is not anticipated that many students or staff will utilise this route.

Given that the connectivity via cycling is limited, this mode of transport would likely only be feasible for students and staff who reside very close to the GISS.

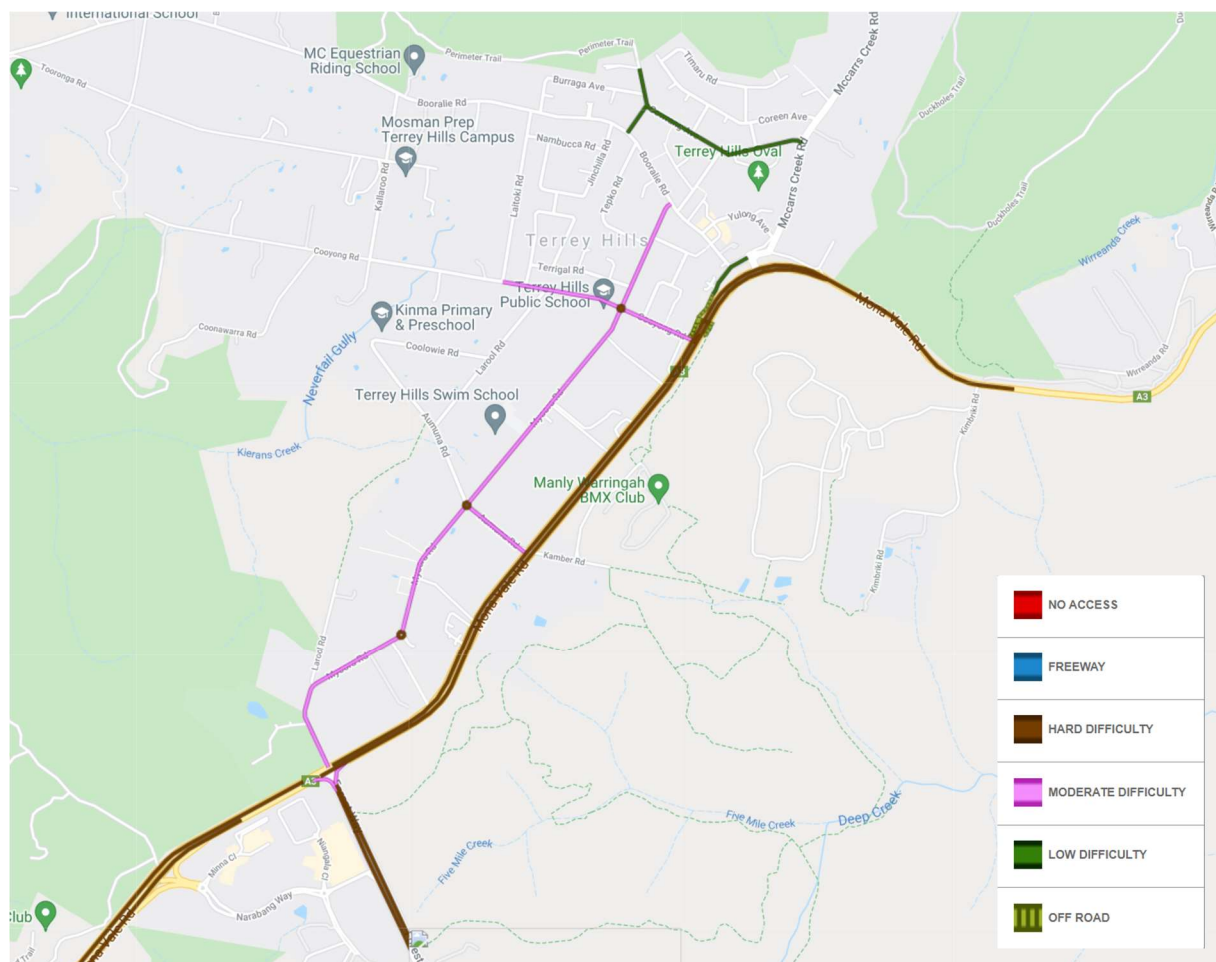


Figure 4 - Existing Cycling Network (Source: TfNSW Cycleway Finder)

3.3.2 Pedestrian Connectivity

In terms of existing pedestrian infrastructure, there is a footpath provided on the western side of Myoora Road. There is an existing children’s crossing located on Myoora Road directly in front of the school which provides connection to the bus stop located on the eastern side of the carriageway.

4. Parking Provision

The following sections outline the parking provisions at the GISS. The existing school access gates are illustrated in Figure 5. Gates A, C and D are vehicular gates whereas Gate B is solely for pedestrian access.

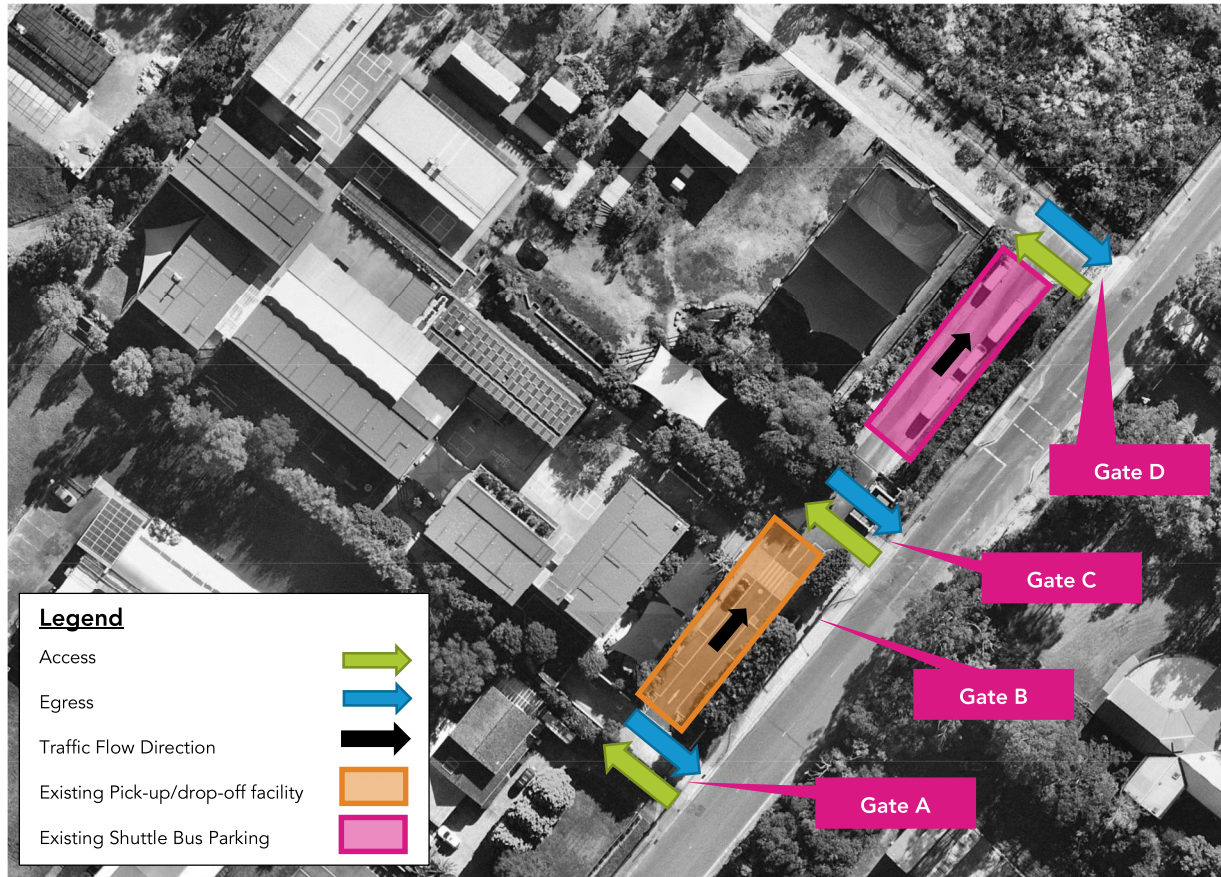


Figure 5 - Existing School Access Gates (Source: Nearmap)

4.1 Staff Parking

The school currently has an existing basement car park designated for staff parking accommodating 24 spaces (inclusive of one accessible bay). There are no changes proposed to the existing staff parking provision.

4.2 Pick-up/Drop-off Facility

An existing pick-up/drop-off facility accommodating 10 car spaces (including one accessible space) is provided at the front of the school. Access to these spaces is via Gate A and vehicles circulate in a one-way northbound direction and exit the school grounds via Gate C. The pick-up/drop-off facility is currently managed by school staff during the pick-up/drop-off periods.

4.3 Shuttle Bus Parking

Shuttle buses are currently used to transport students to and from the school. Existing shuttle bus parking is also provided to the north of the pick-up/drop-off facility as illustrated in Figure 5 and accommodates two large buses and six minibuses.

1. Development Traffic Assessment

The proposal does not involve any changes to the existing car parking, pick-up/drop-off facility or servicing arrangements. Therefore, the proposal is not anticipated to result in any changes in traffic activity associated with the development.

2. Access & Circulation

The proposed construction of the science centre and extension of the reception area in the administration building will not affect the existing access arrangements. Access and egress to the staff car park and pick-up/drop-off facility will utilise the existing gates located within the Myoora Road frontage.

The existing refuse collection and servicing arrangements will remain unchanged.

3. Car Park Assessment

There are no changes proposed to the existing staff car parking, pick-up/drop-off or shuttle bus parking facilities within the school. Therefore, an assessment of the car parking is not required as these facilities will continue to operate as per the existing arrangements.

4. Conclusion

ptc. has been engaged by Betti and Knut, on behalf of the German International School Sydney (GISS), to prepare a Traffic Impact Statement (TIS) in relation to the proposed redevelopment at the GISS located at 33 Myoora Road, Terrey Hills.

This TIS will accompany a Development Application (DA) to Northern Beaches Council for the development of a new science centre at the GISS. The proposed development also involves a small extension to the existing administrative building. It is highlighted that the project will not impact the number of students or staff on the campus and does not propose any changes to the existing parking or vehicular access arrangements. It follows that traffic activity will remain unchanged in relation to the existing situation and it is therefore anticipated that there should be no adverse impact on the surrounding road network.

Therefore, the proposed development is supportable from a parking and traffic engineering perspective.

Document Control: Prepared by *HL* on *2 December 2021*. Reviewed by *SW* on *2 December 2021*.

Attachment 1 - Architectural Plans




GERMAN INTERNATIONAL SCHOOL SYDNEY NEW SCIENCE CENTRE AND ADMINISTRATION EXTENSION

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01	SURVEY PLAN	1:500		<input type="checkbox"/>
02	SITE ANALYSIS PLAN			<input type="checkbox"/>
03	CAMPUS PLAN PROPOSED	1:1		<input type="checkbox"/>
04	SITE PLAN PROPOSED	1:500		<input type="checkbox"/>
05	SHADOW DIAGRAMS EXISTING	1:200		<input type="checkbox"/>
06	SHADOW DIAGRAMS PROPOS...	1:200		<input type="checkbox"/>
07	DEMOLITION & EXCAVATION ...	1:200		<input type="checkbox"/>
10	GROUND FLOOR SCIENCE	1:100		<input type="checkbox"/>
11	UPPER LEVELS SCIENCE	1:100		<input type="checkbox"/>
12	ROOF PLAN	1:100		<input type="checkbox"/>
13	FLOOR PLANS ADMINISTRATI...	1:100		<input type="checkbox"/>
30	SECTIONS	1:100		<input type="checkbox"/>
31	ELEVATIONS SOUTH & WEST	1:100		<input type="checkbox"/>
32	ELEVATIONS NORTH & EAST	1:100		<input type="checkbox"/>
40	SECTION/ELEVATIONS ADMINI...	1:100		<input type="checkbox"/>
50	MATERIALS AND FINISHES			<input type="checkbox"/>



LEGEND

BSN	BASIN	J	JOINERY
BH	BENCH	MDR	METAL DECK ROOF
BK	BRICKWORK	MC	METAL CLADDING
CT	COOKTOP	RC	REINFORCED CONCRETE
D	DRYER	RL	RELATIVE LEVEL
DK	DECKING	RT	ROOF TILES TERRACOTTA
DP	DOWNPIPE	S	SINK
EM	ELECTRICAL METER	SHR	SHOWER
F	FRIDGE	SK	SKYLIGHT
FB	FLOORBOARDS	SSW	SANDSTONE WALL
FBE	FLOORBOARDS EXISTING	TC	TIMBER CLADDING
FFL	FINISHED FLOOR LEVEL	W	WASHING MACHINE
G	GLAZING	WC	TOILET
GF	GAS FLUE	WM	WATERMETER
HWU	HOT WATER UNIT		

	EXISTING
	DEMOLITION
	PROPOSED

design architect dipl.ing knut menden
nsw arb 10926
dipl.ing. bettina steffens
www.bettindknut.com.au

email info@bettindknut.com.au
phone 0416 096 050
address 59 buttenshaw drive
coledale, nsw 2515

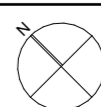
client german international school sydney
phone 02 9485 1900
address 33 myoora rd
terrey hills, nsw 2084

General notes:
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rev	issue	date
01	PRE DA MEETING	30/04/21
02	PRE DA MEETING UPDATE	25/06/21
03	DESIGN DEVELOPMENT	18/08/21
04	PRELIMINARY DA	28/10/21
05	PRELIMINARY DA	05/11/21

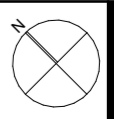
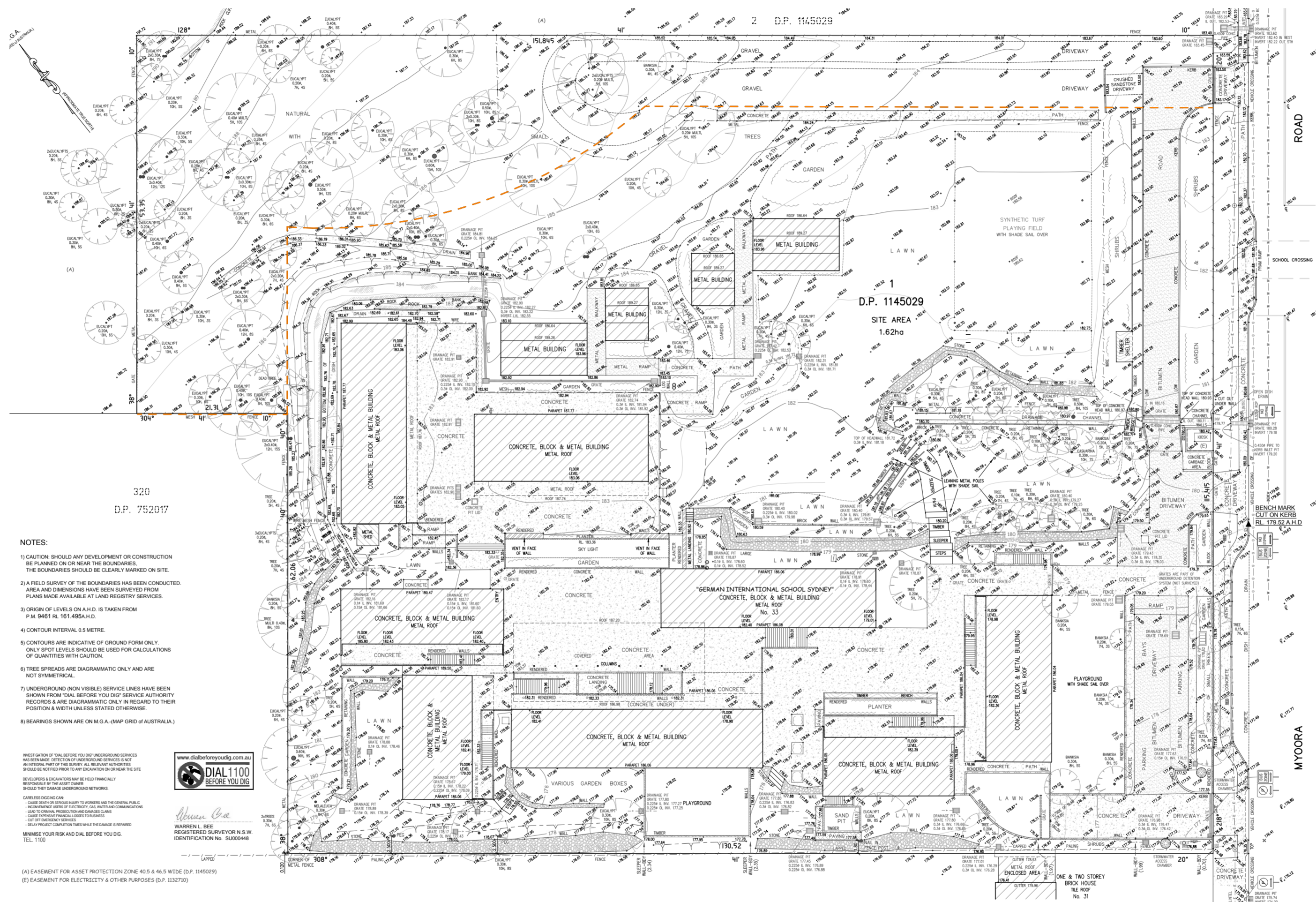
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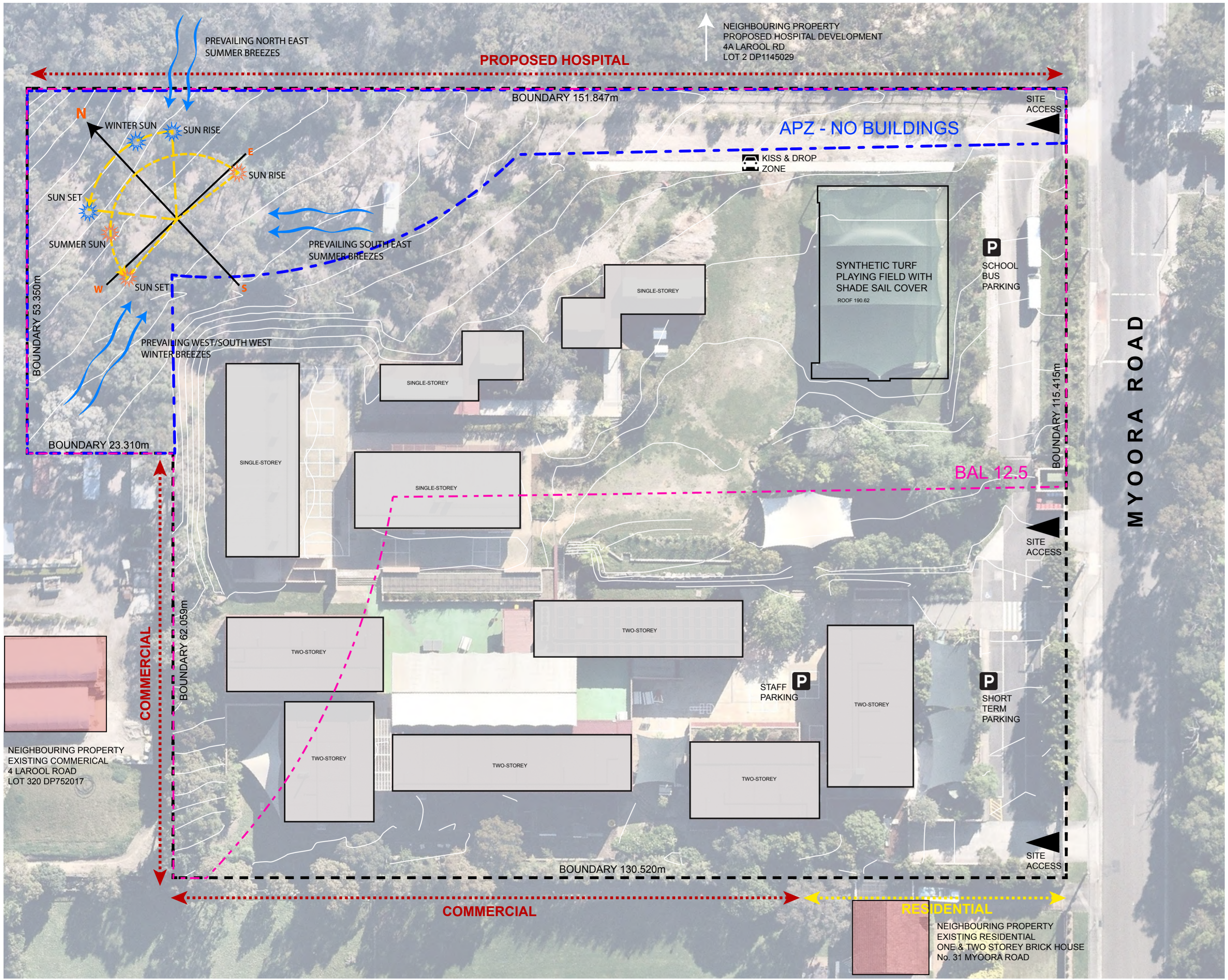
COVER
GERMAN INTERNATIONAL SCHOOL SYDNEY
SCIENCE CENTRE & ADMINISTRATION



G.I.S.S.
33 myoora rd,
terrey hills, nsw

00





design architect dipl.ing knut menden
nsw arb 10926
dipl. ing. bettina steffens
www.bettundknut.com.au

email info@bettundknut.com.au
phone 0416 096 050
address 59 buttenshaw drive
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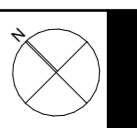
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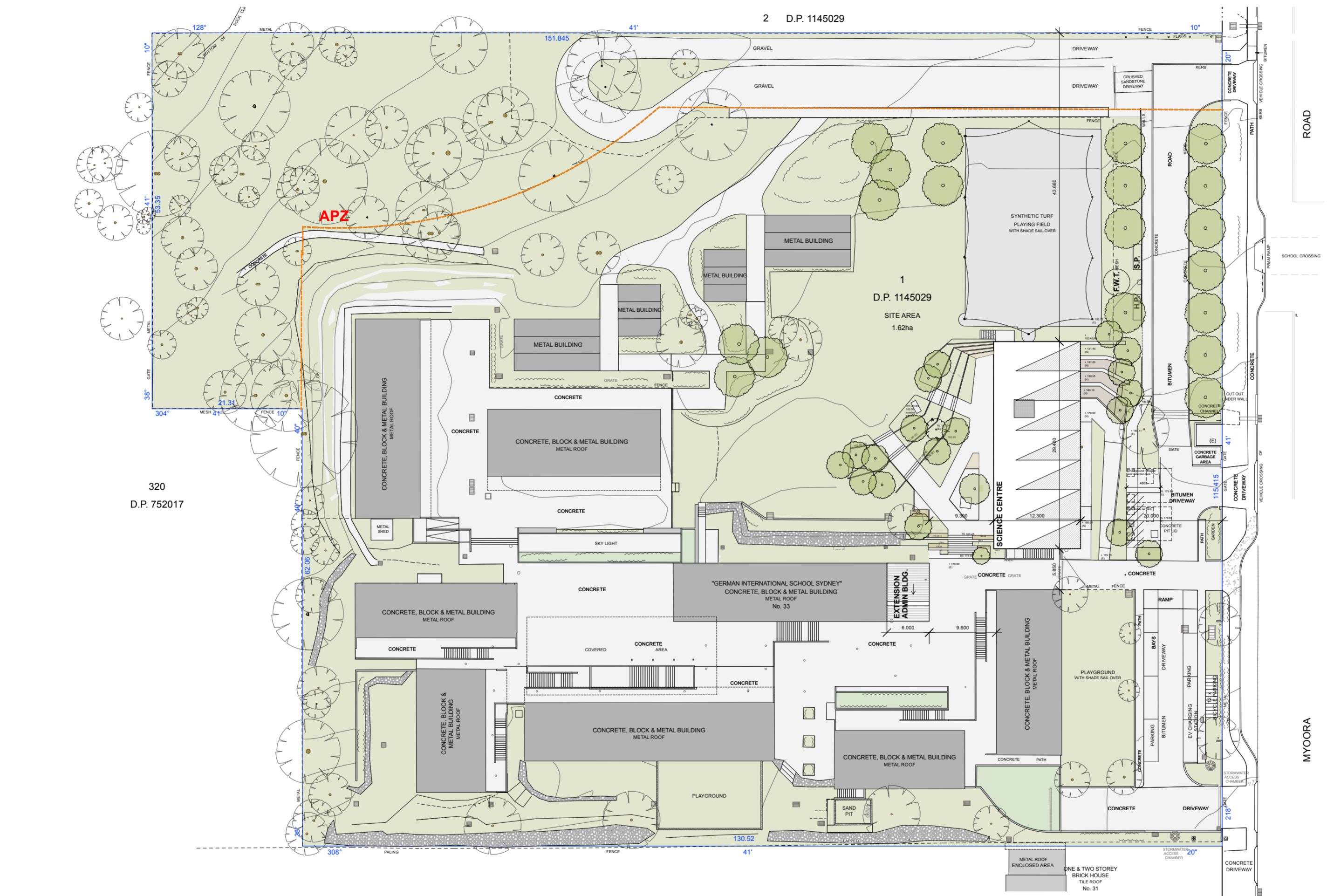
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SITE ANALYSIS PLAN
GERMAN INTERNATIONAL SCHOOL SYDNEY
SCIENCE CENTRE & ADMINISTRATION





design architect dipl.ing knut menden
 nsw arb 10926
 dipl. ing. bettina steffens
 www.bettiundknut.com.au

email info@bettiundknut.com.au
 phone 0416 096 050
 address 59 buttenshaw drive
 coledale, nsw 2515

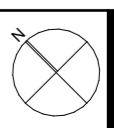
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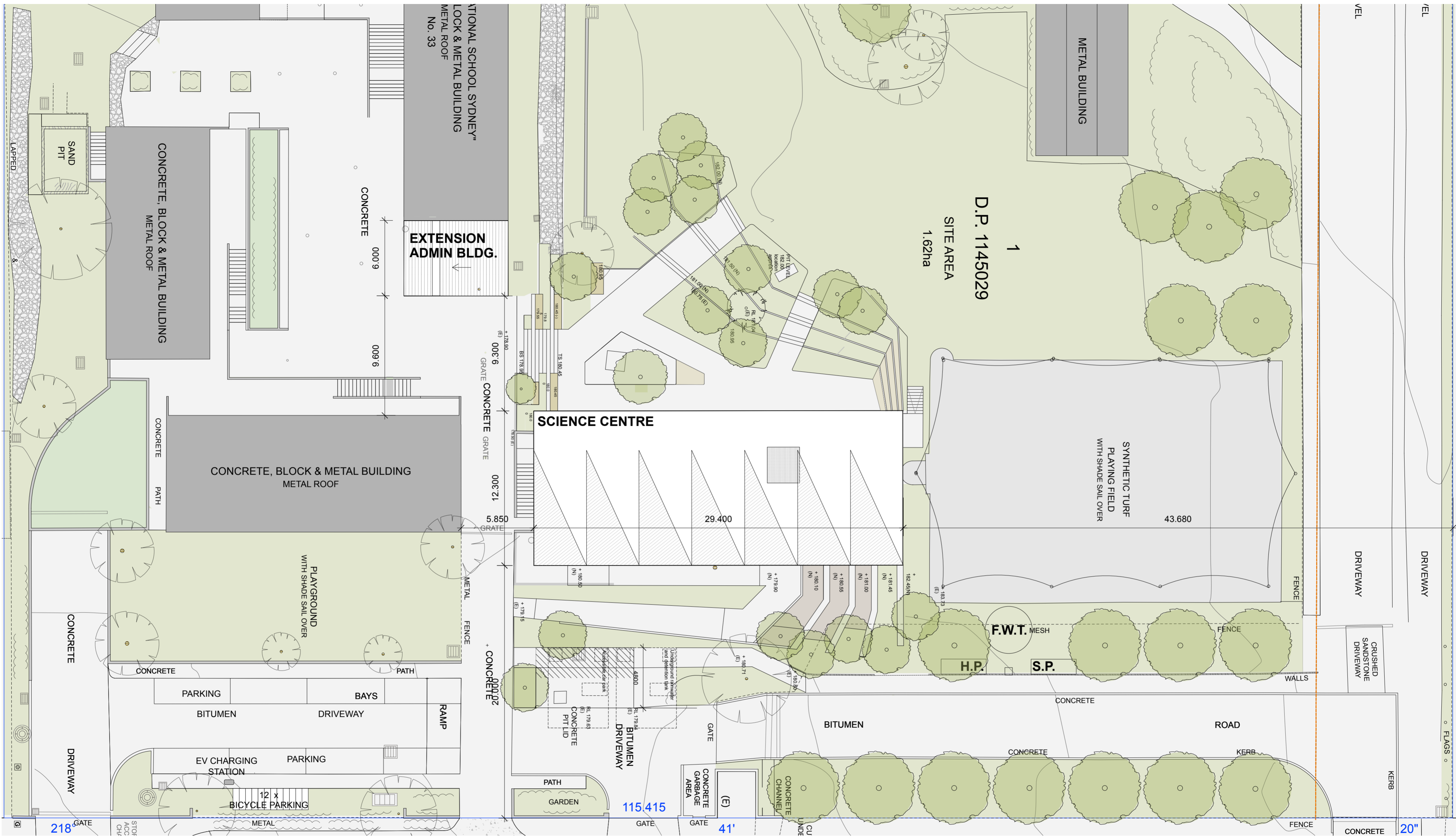
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06	DEVELOPMENT APPLICATION	01/12/21

CAMPUS PLAN PROPOSED 1:500
 GERMAN INTERNATIONAL SCHOOL SYDNEY
 SCIENCE CENTRE & ADMINISTRATION





- EXISTING BUILDING
- PROPOSED NEW BUILDING
- PROPOSED NEW TREE

design architect dipl.ing knut menden
 nsw arb 10926
 dipl. ing. bettina steffens
 www.bettindknut.com.au

email info@bettindknut.com.au
 phone 0416 096 050
 address 59 buttenshaw drive
 coledale, nsw 2515

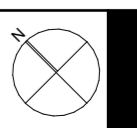
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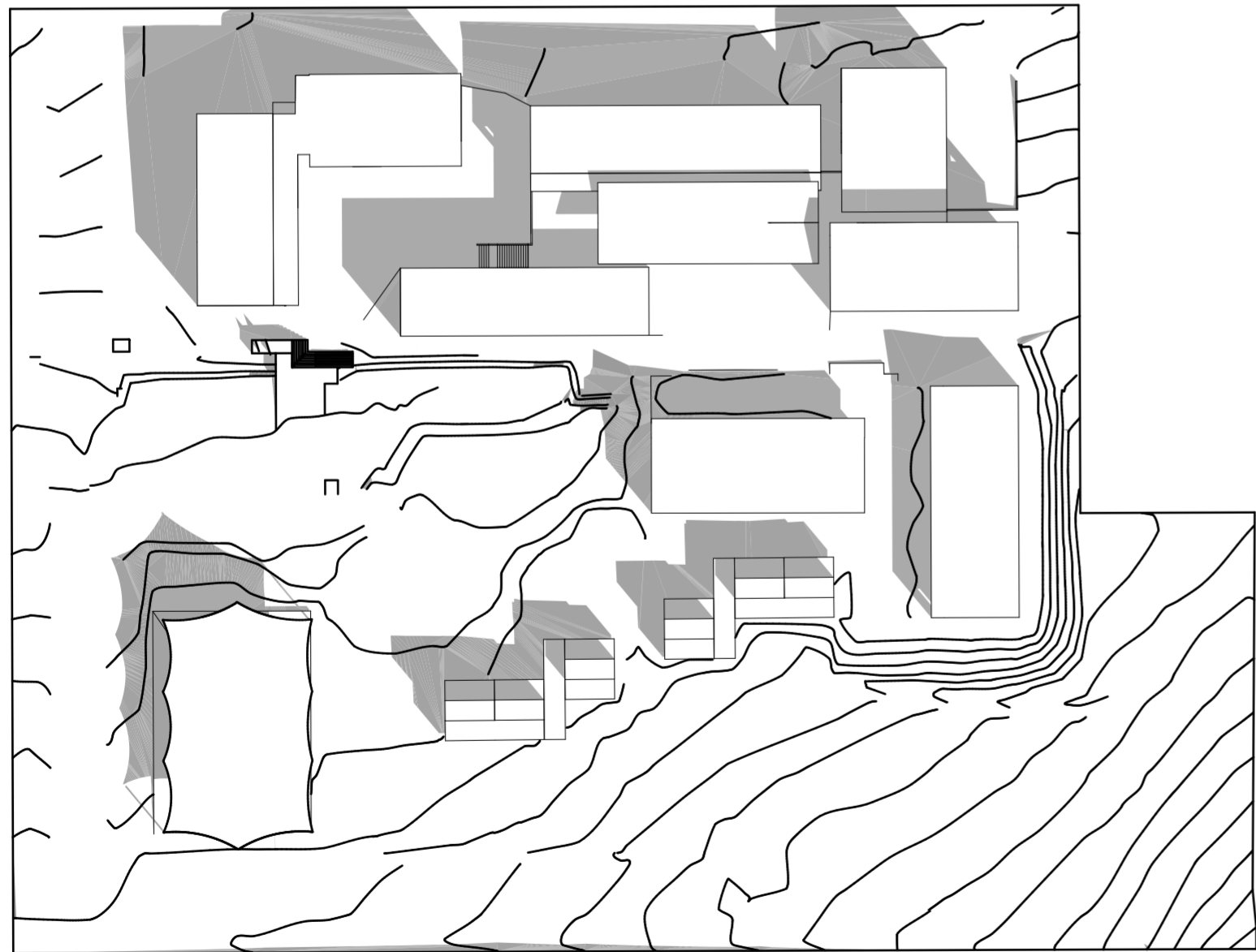
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06	DEVELOPMENT APPLICATION	01/12/21

SITE PLAN PROPOSED 1:200
 GERMAN INTERNATIONAL SCHOOL SYDNEY
 SCIENCE CENTRE & ADMINISTRATION

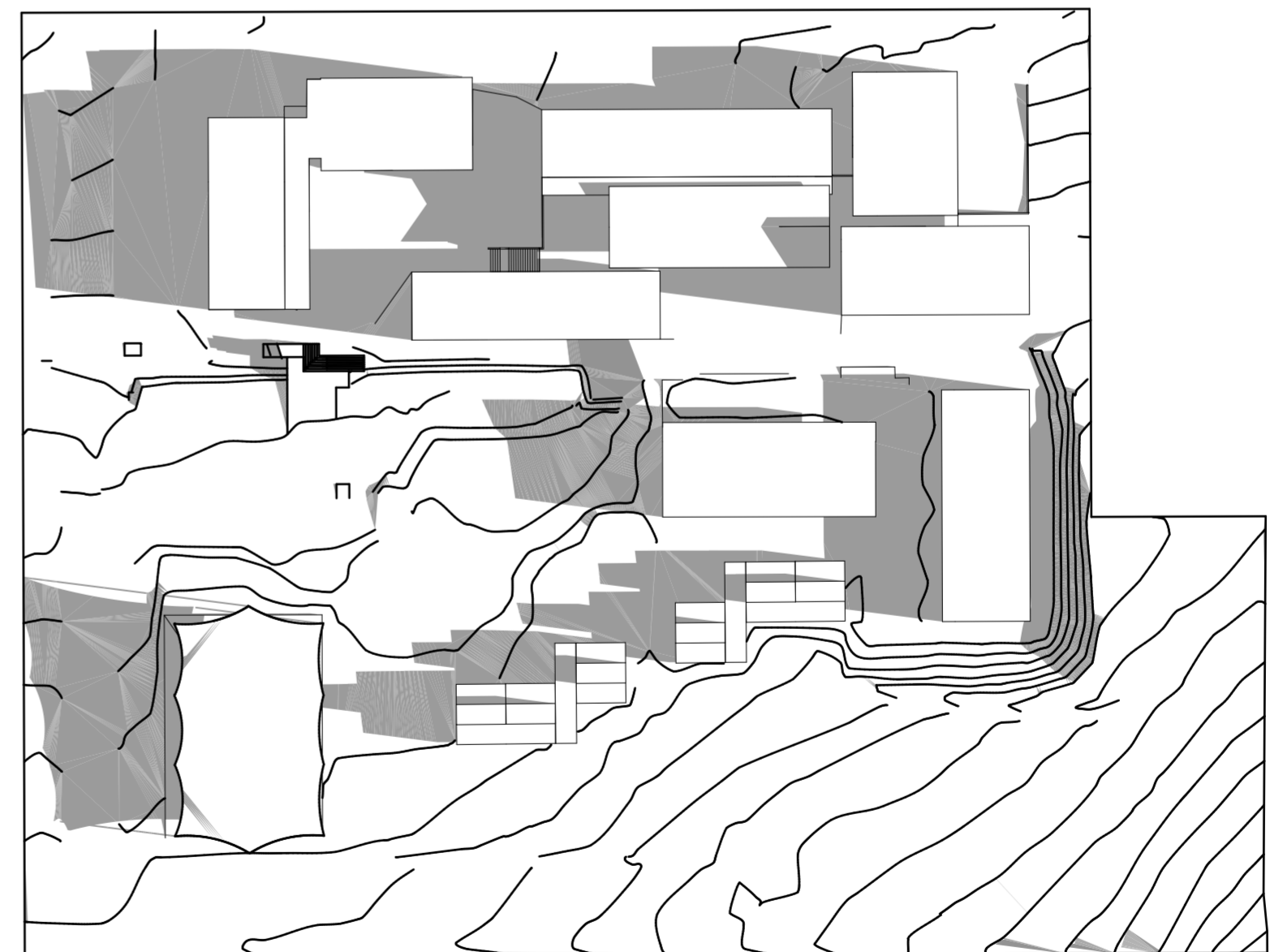




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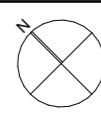


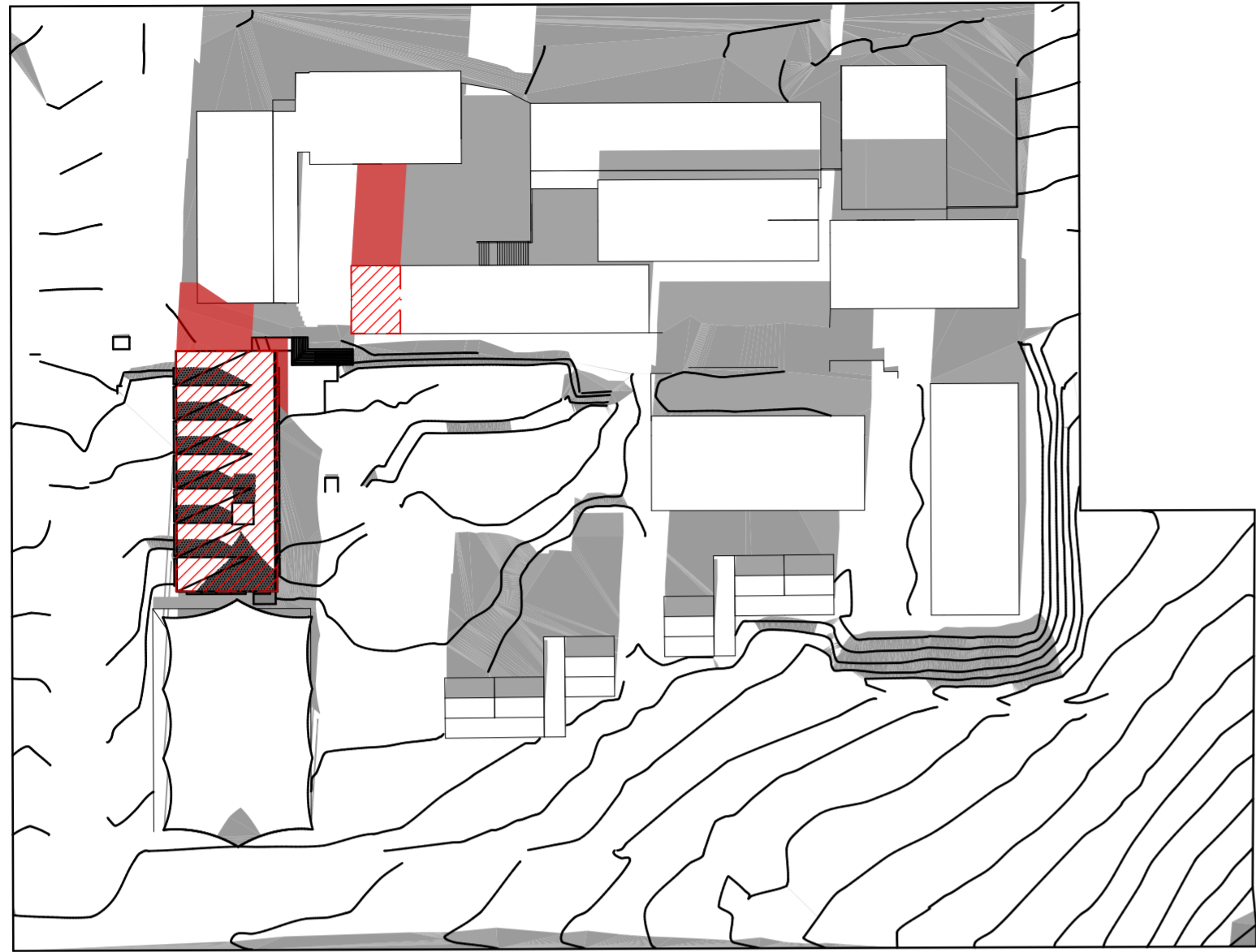
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- EXISTING SHADOWS
- ADDITIONAL SHADOWS
- PROPOSED BUILDING

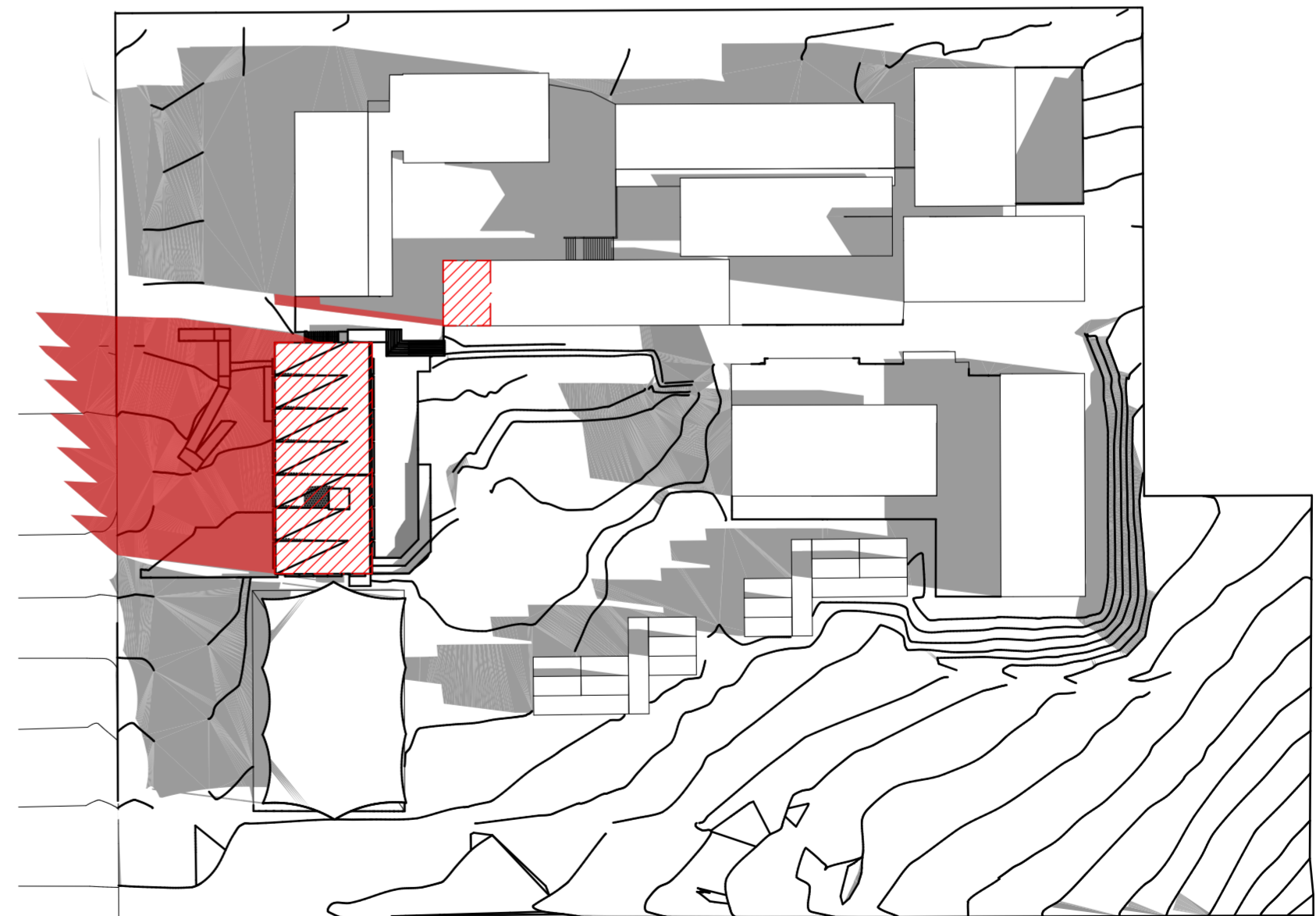




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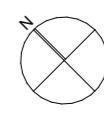


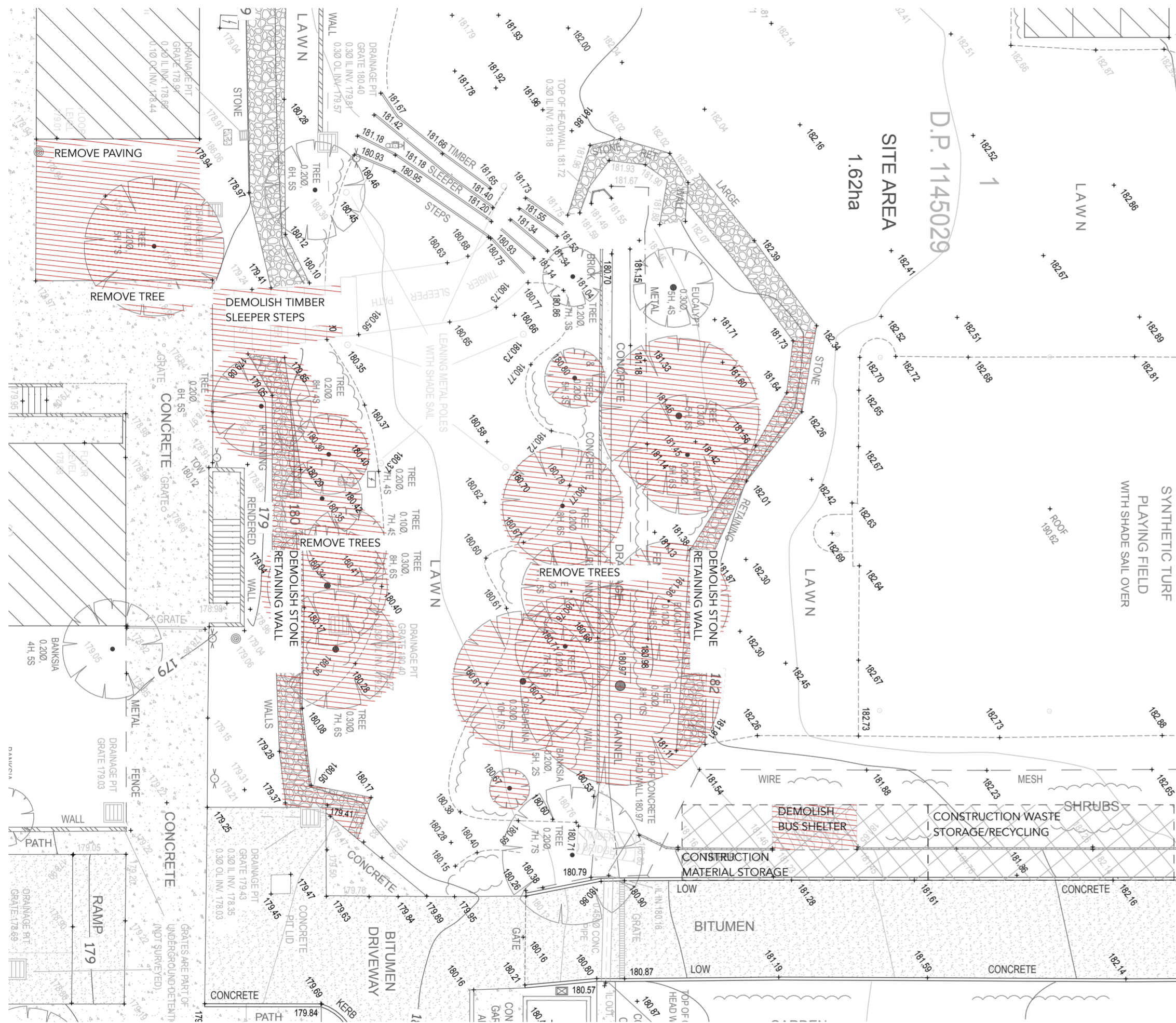
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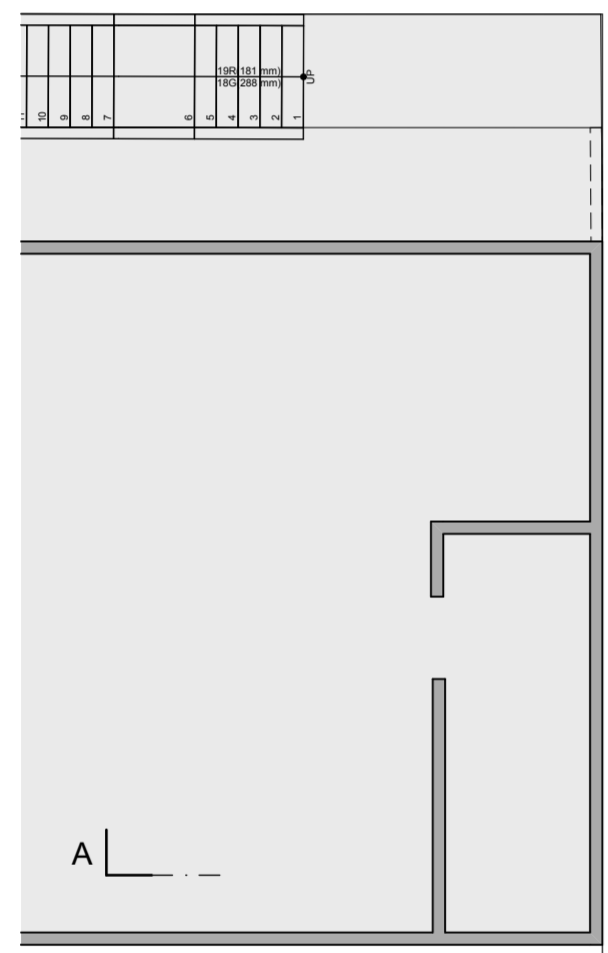
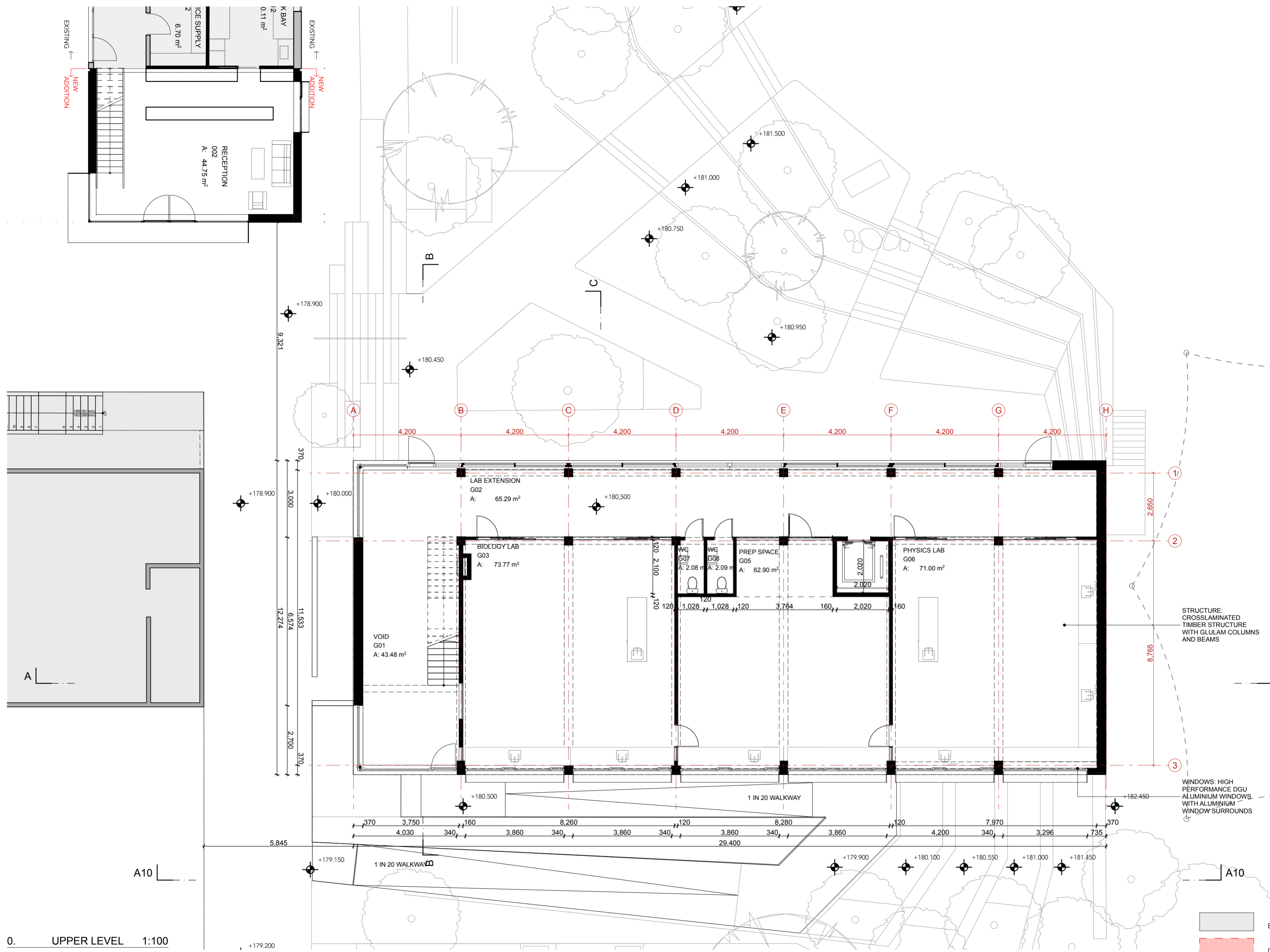




01 DEMOLITION PLAN 1:200



02 EXCAVATION PLAN 1:200

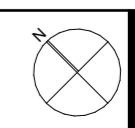


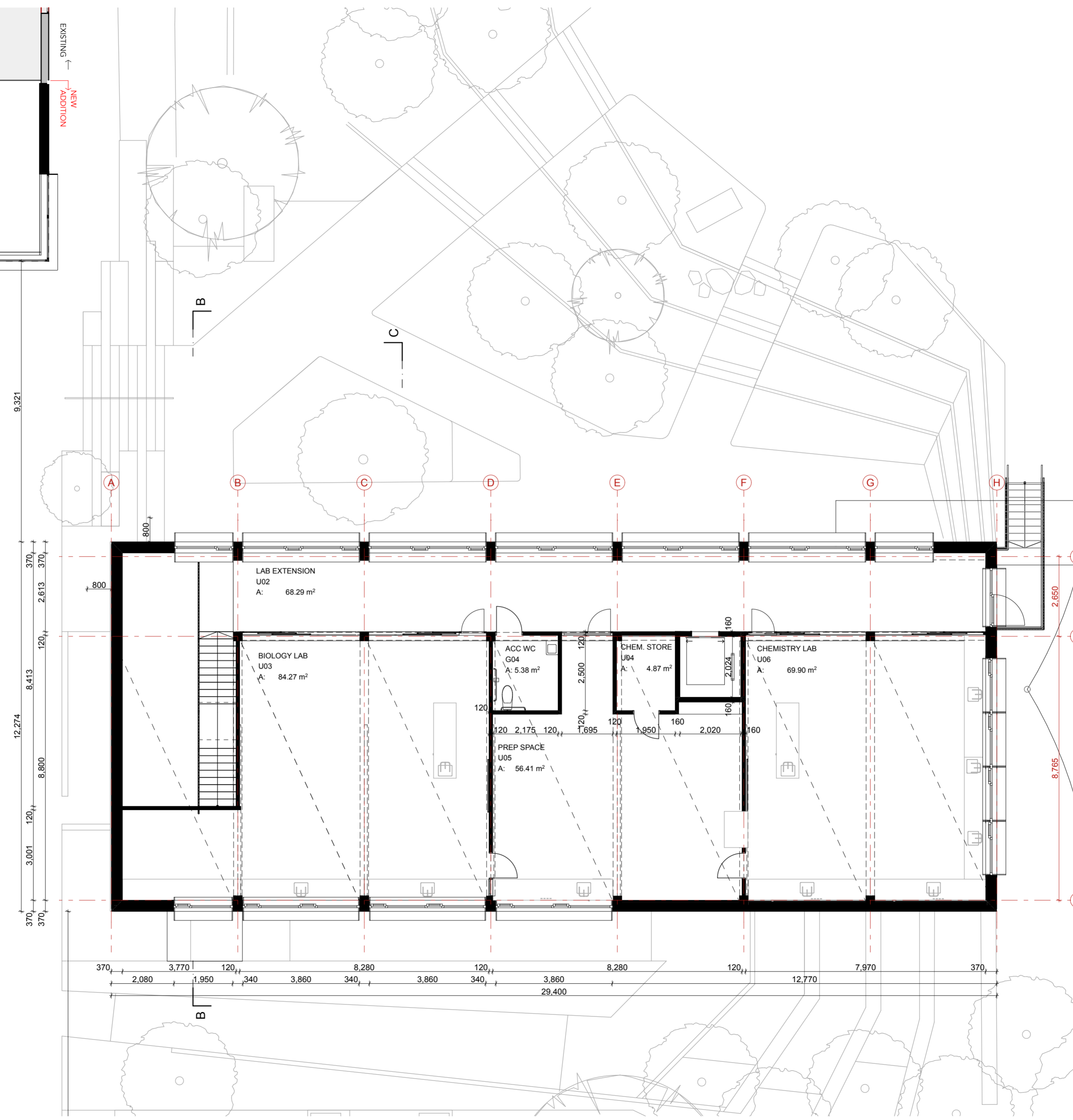
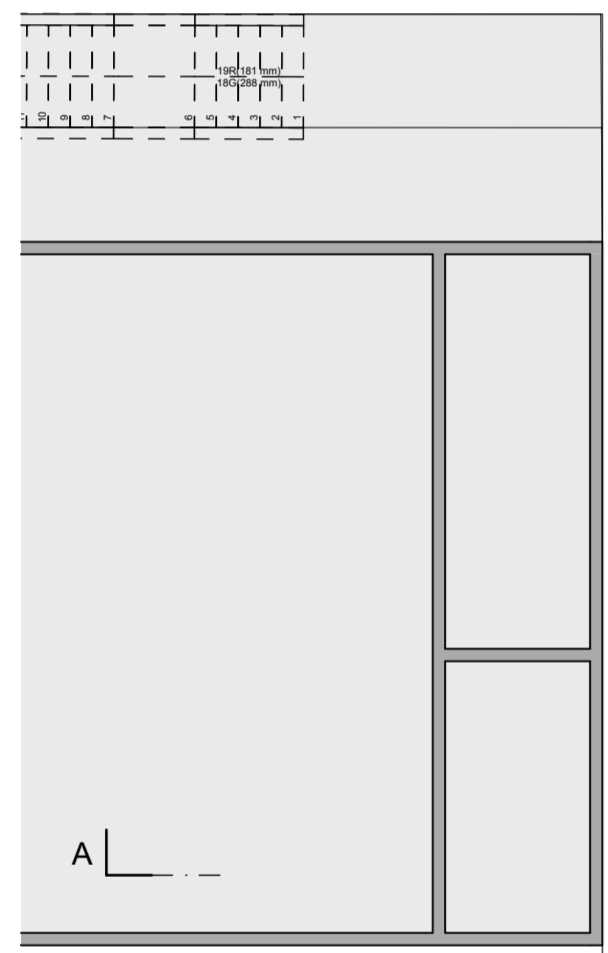
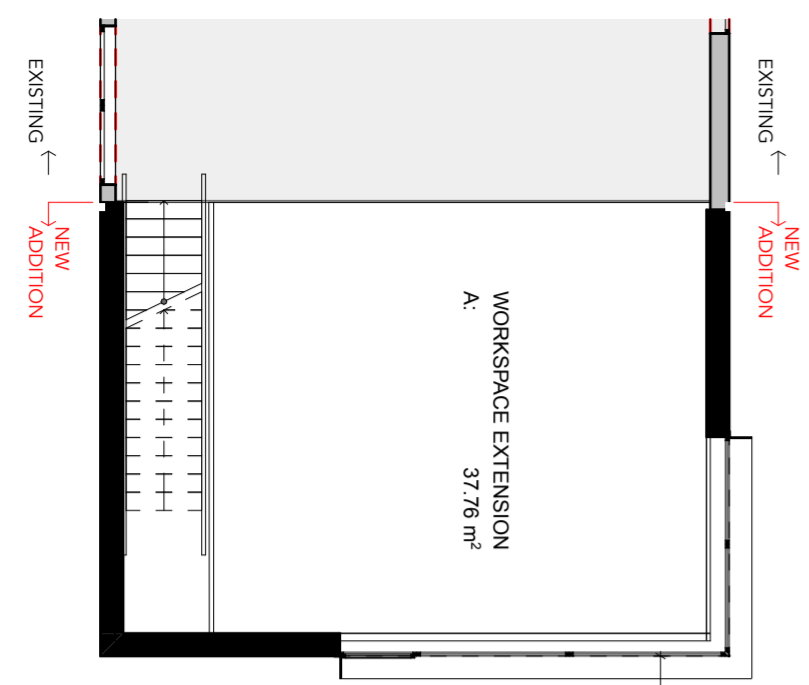
0. UPPER LEVEL 1:100

STRUCTURE: CROSSLAMINATED TIMBER STRUCTURE WITH GLULAM COLUMNS AND BEAMS

WINDOWS: HIGH PERFORMANCE DGU ALUMINIUM WINDOWS WITH ALUMINIUM WINDOW SURROUNDS

- EXISTING
- DEMOLITION
- PROPOSED





WINDOWS: HIGH PERFORMANCE DGU ALUMINIUM WINDOWS WITH EXTERNAL RETRACTABLE BLIND AND ALUMINIUM SURROUNDS

FACADE: BAL 12.5 BUSHFIRE RATED NATURAL TIMBER CLADDING

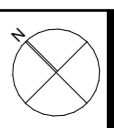
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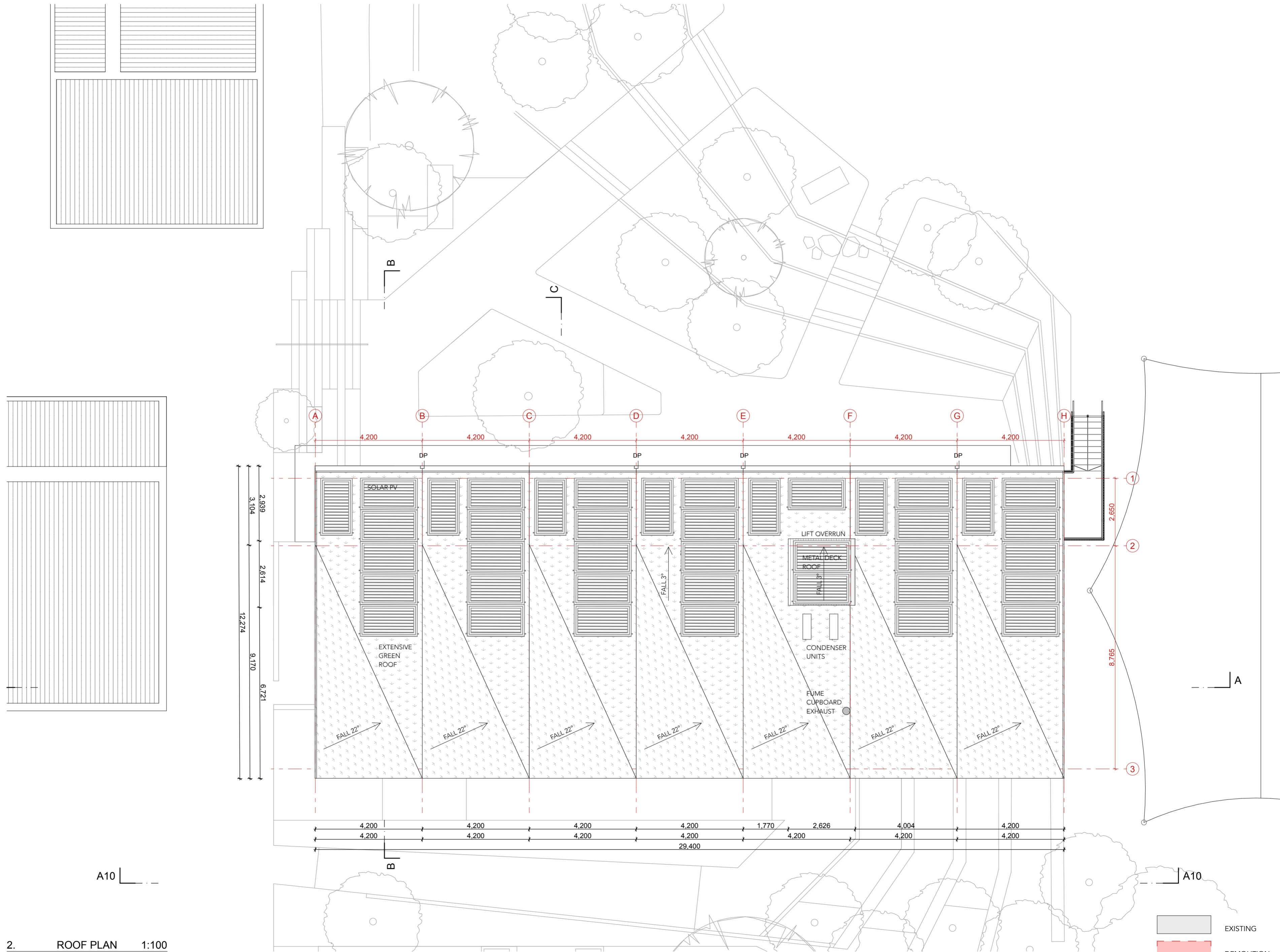
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EXISTING

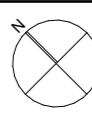
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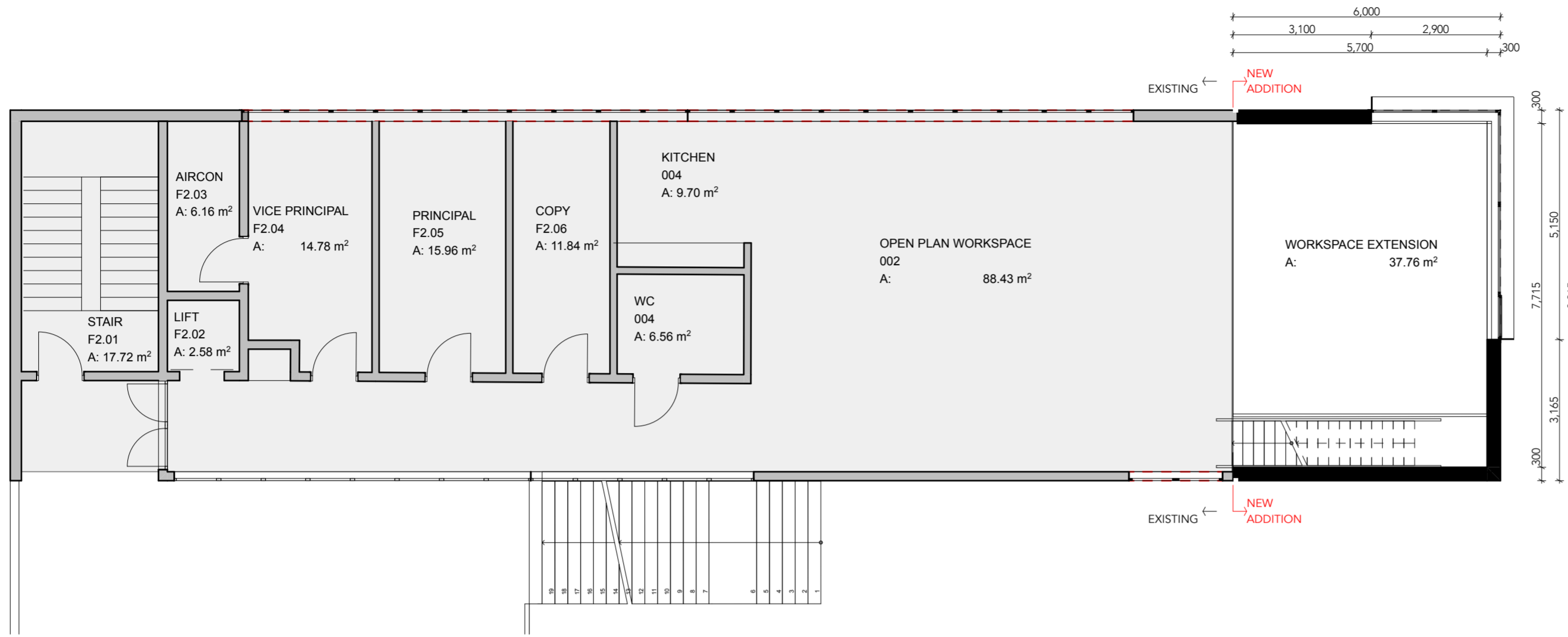
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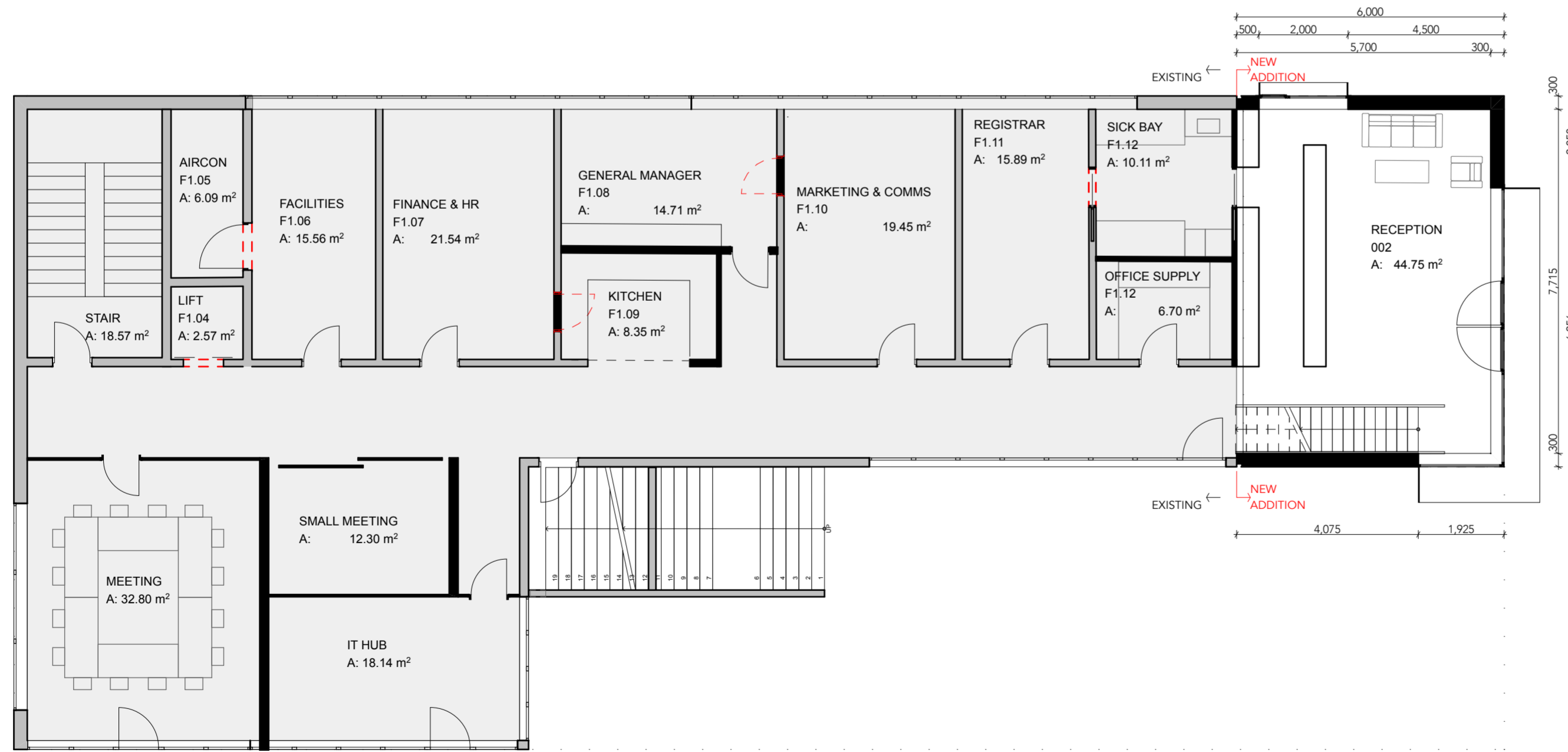


2. ROOF PLAN 1:100



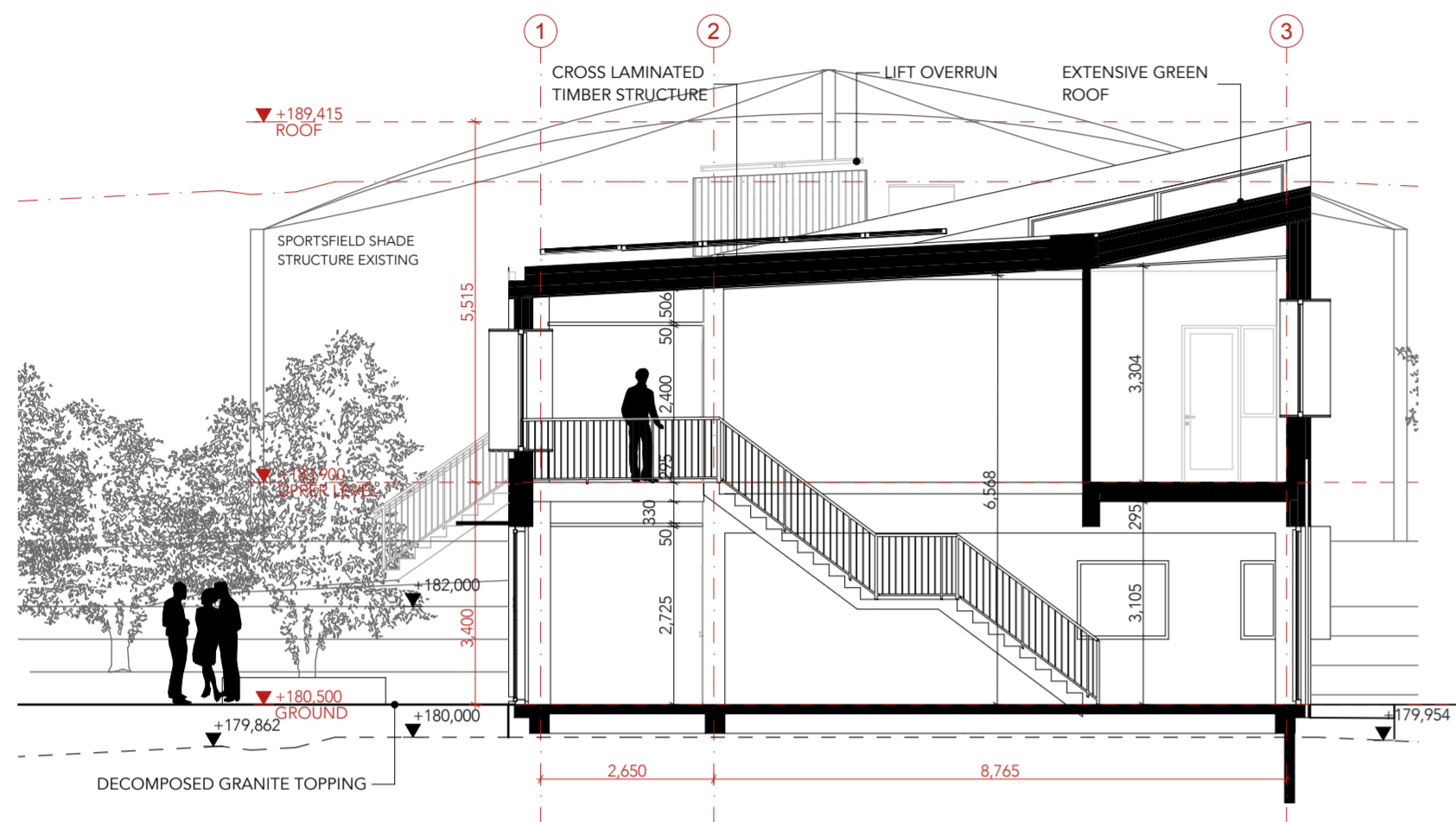


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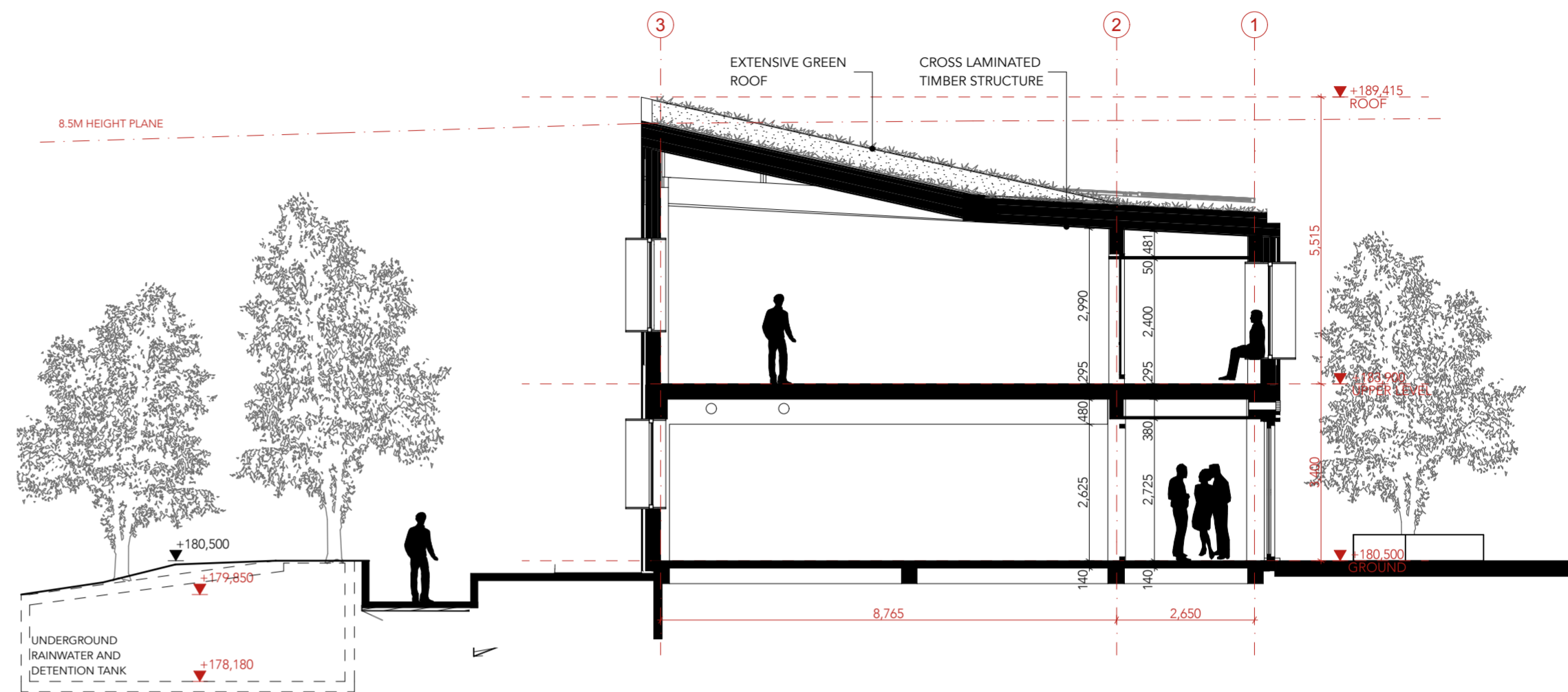


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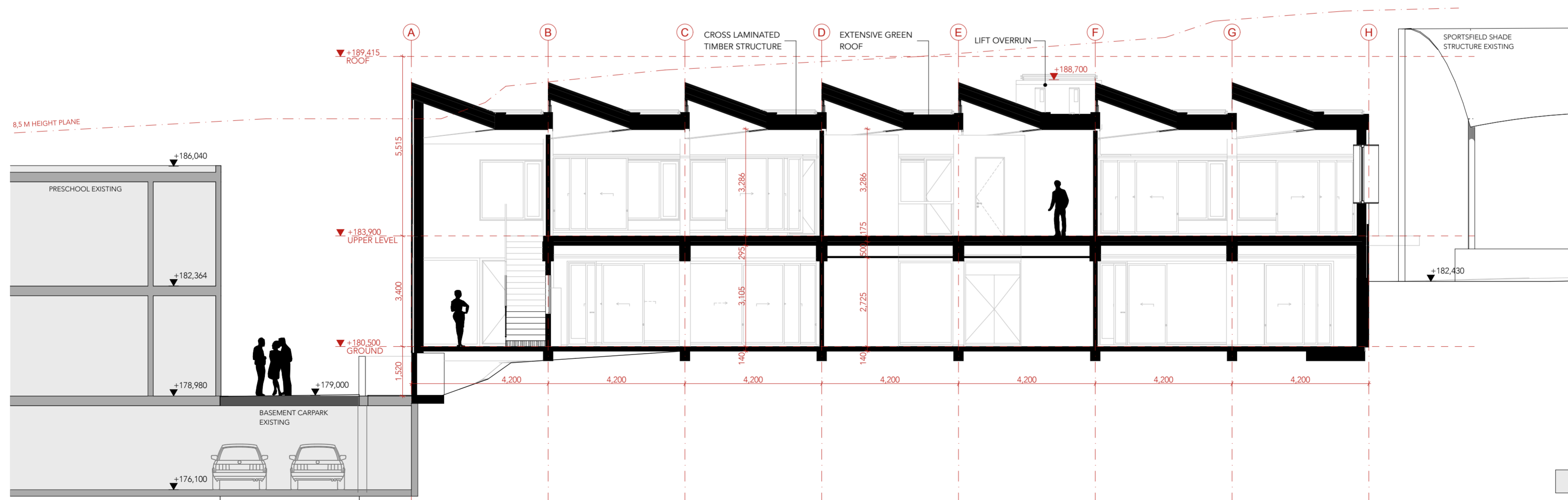




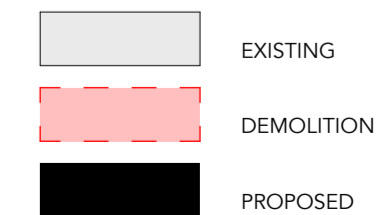
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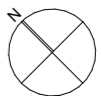
02 CROSS SECTION C-C 1:100



03 LONG SECTION A-A 1:100



 EXISTING
 DEMOLITION
 PROPOSED



ELEVATIONS SOUTH & WEST 1:100
GERMAN INTERNATIONAL SCHOOL SYDNEY
SCIENCE CENTRE & ADMINISTRATION

G.I.S.S.
33 myoora rd,
terrey hills, nsw

31

rev	issue	date
06	DEVELOPMENT APPLICATION	01/12/21

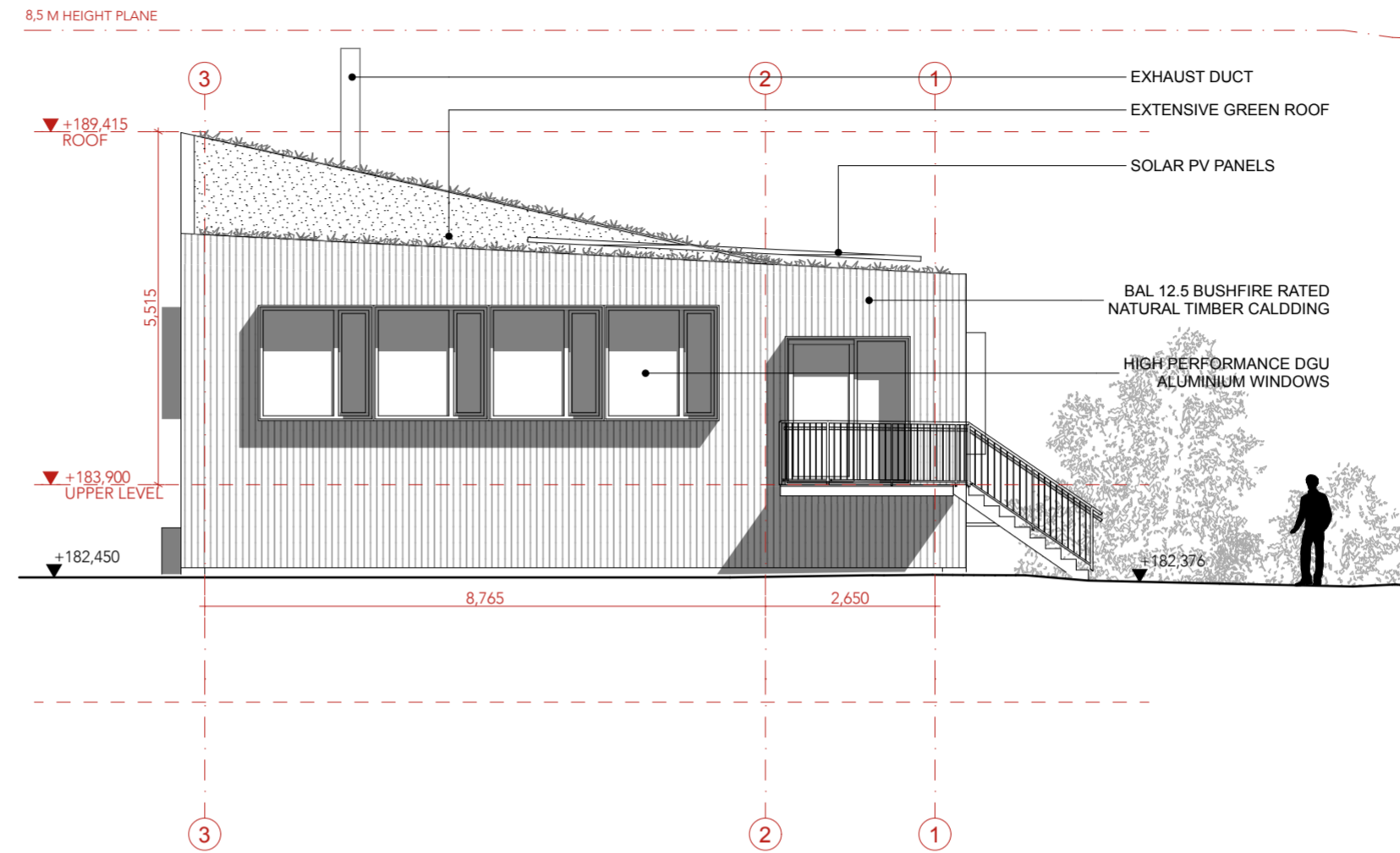
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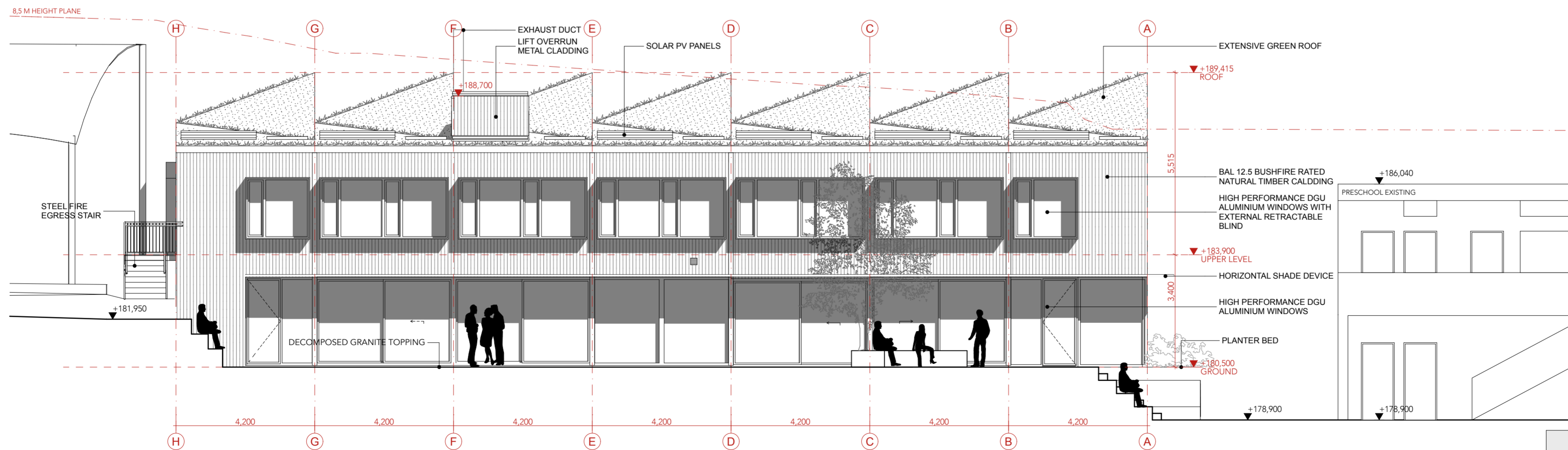
client german international school sydney
phone 02 9485 1900
address 33 myoora rd
 terrey hills, nsw 2084

email info@betiundknut.com.au
phone 0416 096 050
address 59 buttenshaw drive
 coledale, nsw 2515

design architect dipl.ing knut menden
 nsw arb 10926
 dipl. ing. bettina steffens
 www.betiundknut.com.au

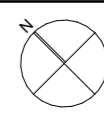


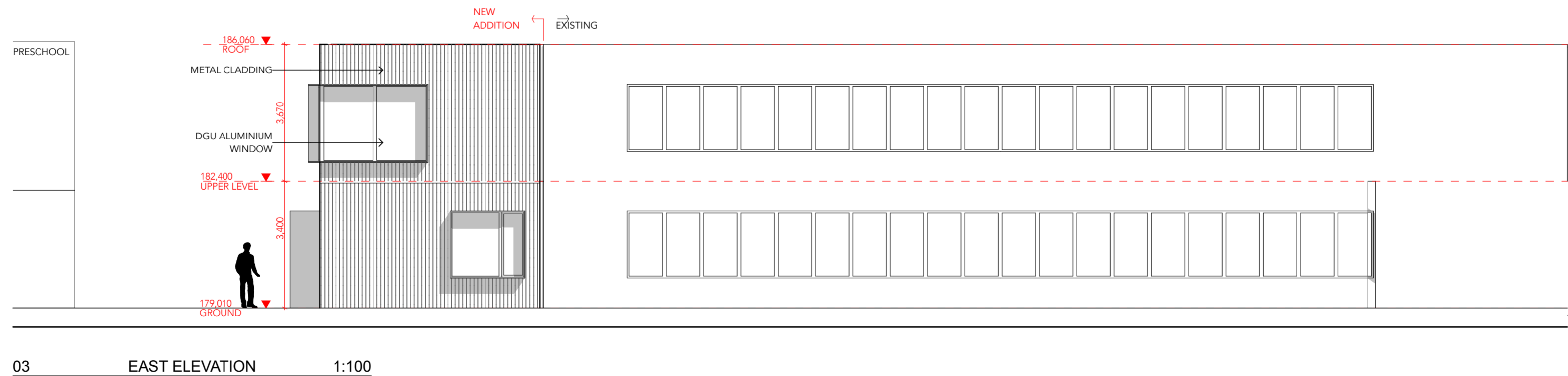
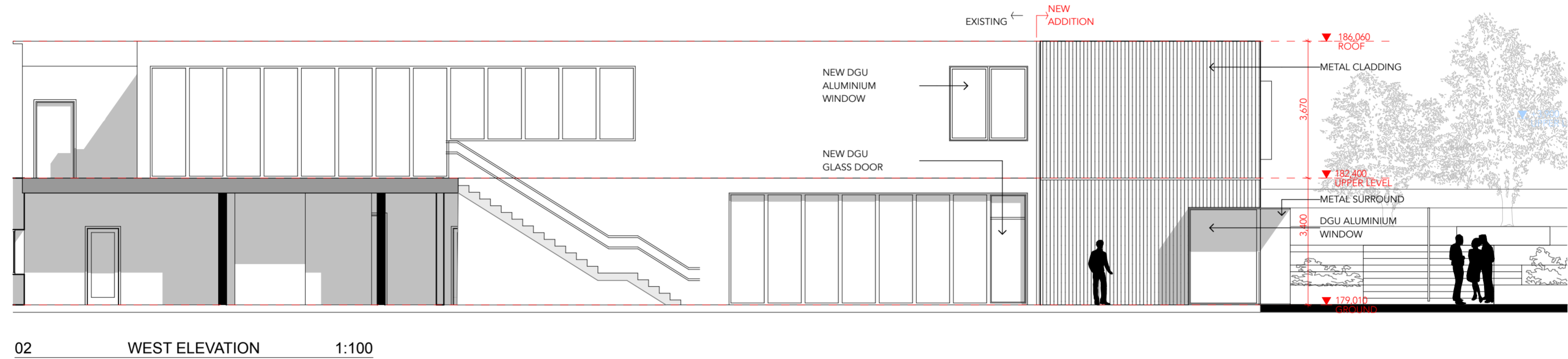
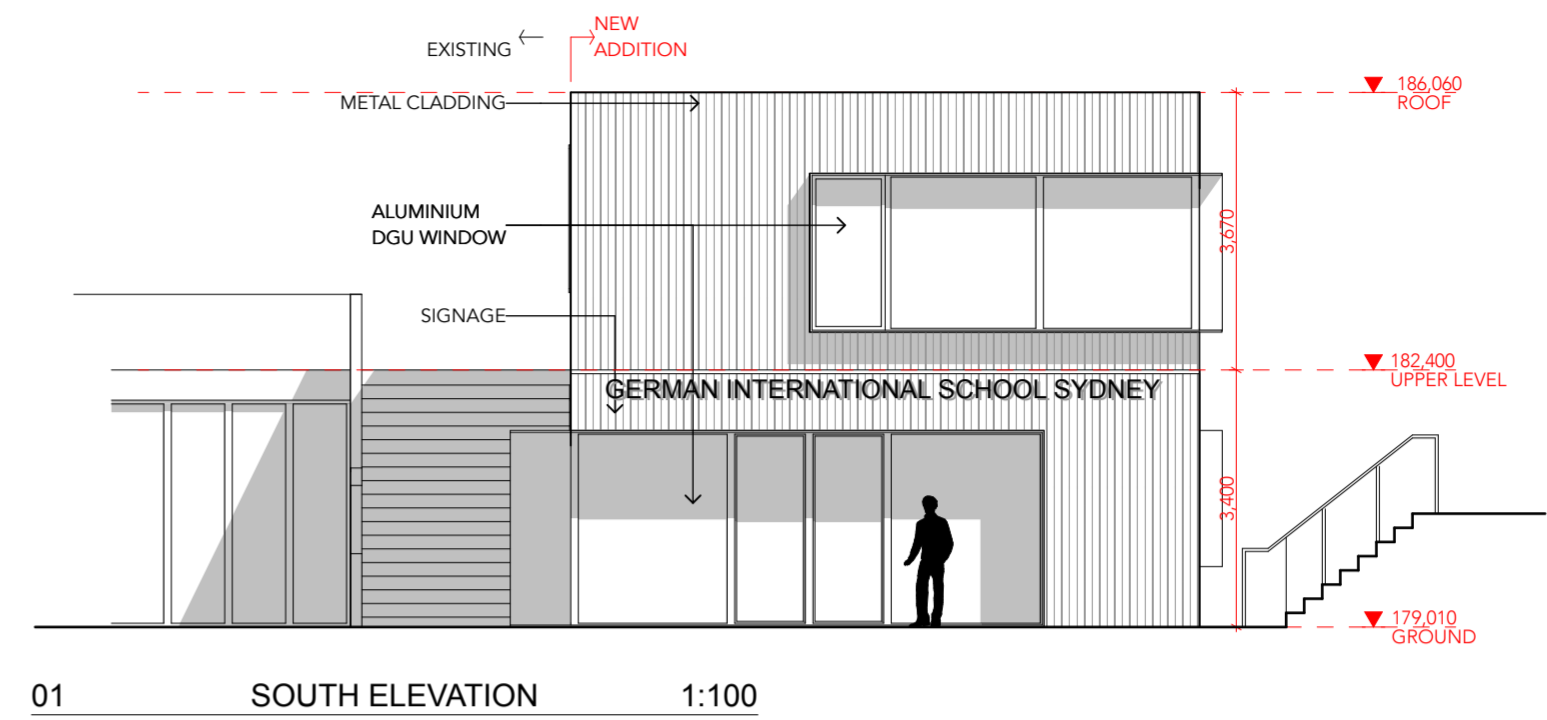
01 EAST ELEVATION 1:100



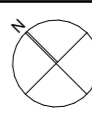
02 NORTH ELEVATION 1:100

- EXISTING
- DEMOLITION
- PROPOSED





- EXISTING
- DEMOLITION
- PROPOSED



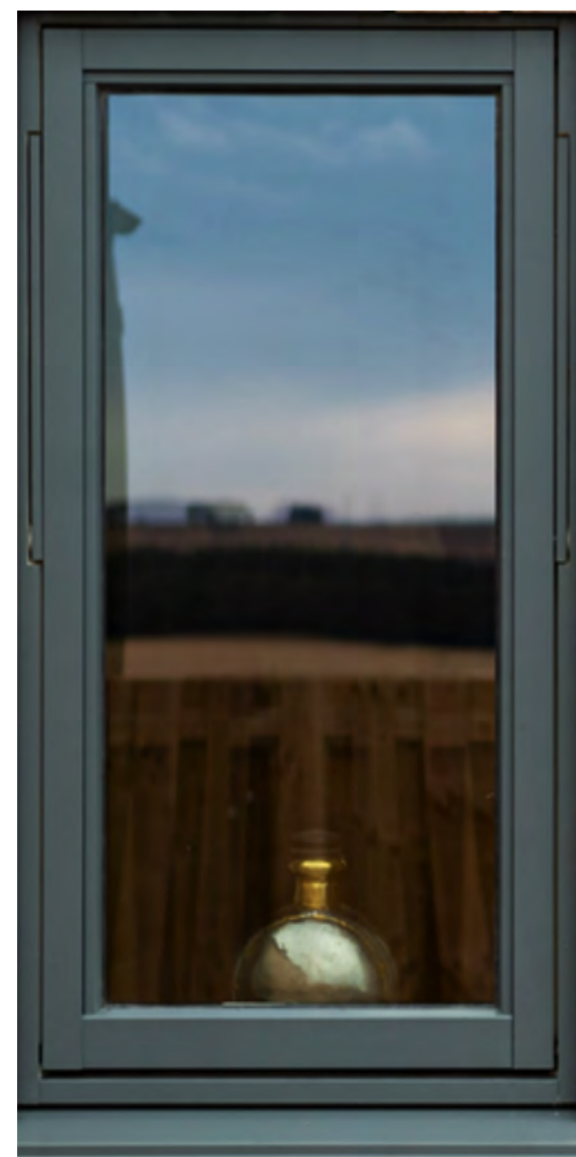


SCIENCE CENTRE
VIEW FROM MYOORA RD

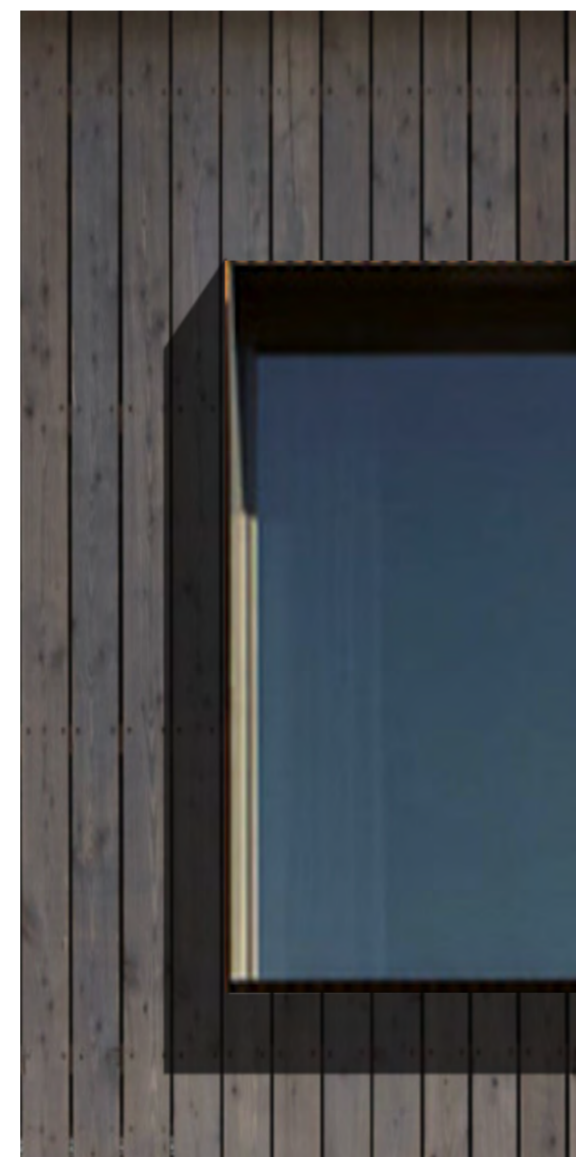
MATERIALS SCIENCE CENTRE
& ADMINISTRATION EXTENSION



NATURALLY WEATHERED TIMBER CLADDING



CHARCOAL TRIPLE GLAZED ALUMINIUM WINDOW



HARDWOOD WINDOW SURROUNDS



EXTENSIVE GREEN ROOF



METAL DECK ROOF, LIGHT GREY



HARDWOOD TIMBER DECKING STAIRS



DECOMPOSED GRANITE

