HERITAGE FIRE STATION RESTORATION & NEW BOARDING HOUSE

3 WILLIAM STREET FAIRFIELD DEVELOPMENT APPLICATION



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DESCRIPTION	AUTH	CHK	DATE
Issue for Consultant Coordination	ТВ		14.11.19
Issue for Consultant Coordination	ТВ		04.12.19
Final Draft for Consulant	ТВ		11.12.19
ADDITIONAL INFORMATION SUBMISSION	YP		13.01.19
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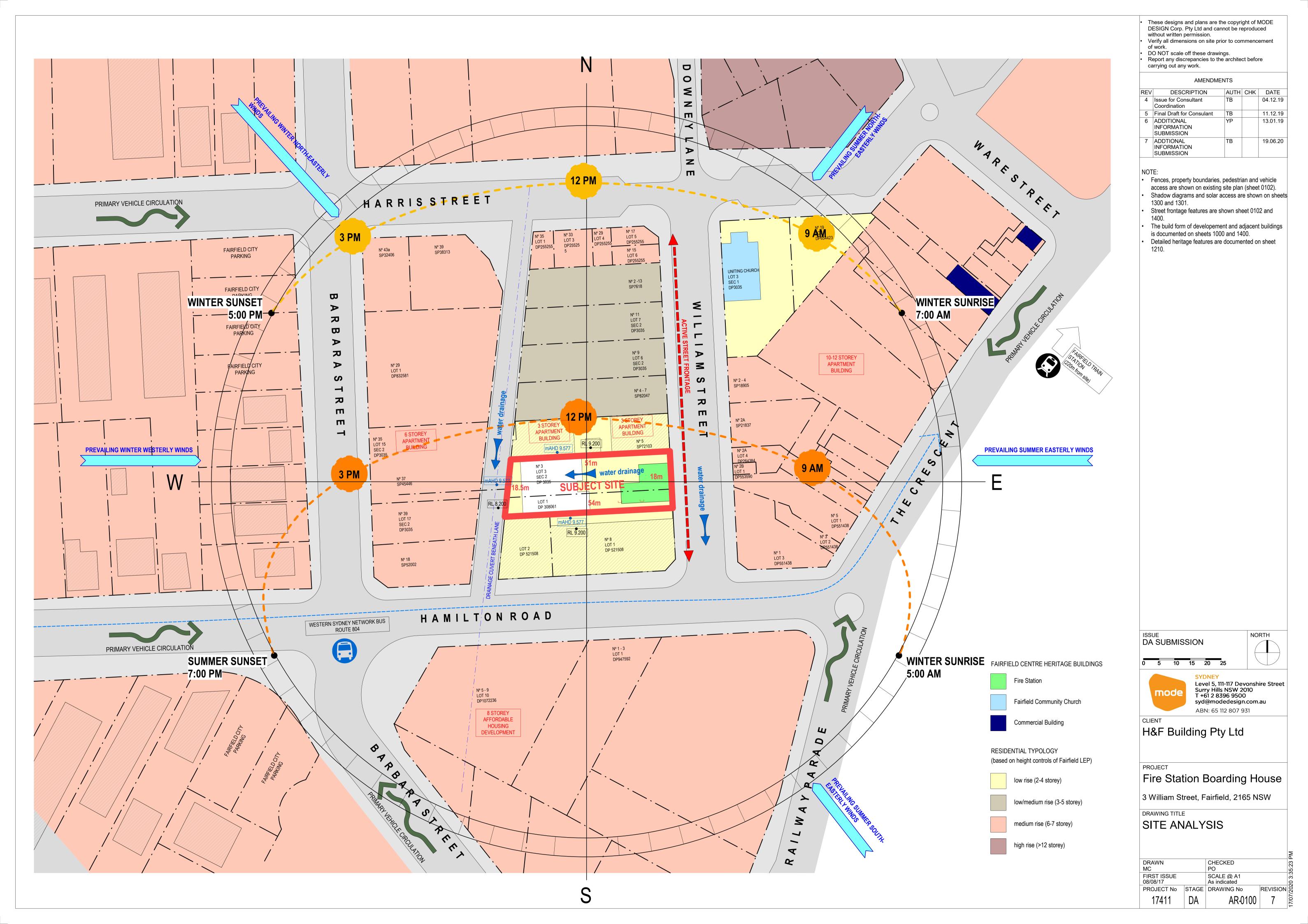
Fire Station Boarding House 3 William Street, Fairfield, 2165 NSW

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COVER SHEET

FIRST ISSUE 05/09/18

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Eastern Facade. View of the Heritage Fire Station building from William Street. The front facade is dry pressed face brick with a dark brick feature panel either side of the original garage door opening. An Arched feature parapet spans above the original Garage door opening. The Dutch Gable roof is Slate with terra-cotta hip and ridge tiles, and terra-cotta finials.



Northern Facade. The original fabric is common brick with Timber framed Casement windows. A weatherboard prefabricated extension extends to the rear (West).



Western Facade and courtyard. The original Heritage building is mostly hidden by the weatherboard extension. An 8 storey residential flat building is visible in the background.

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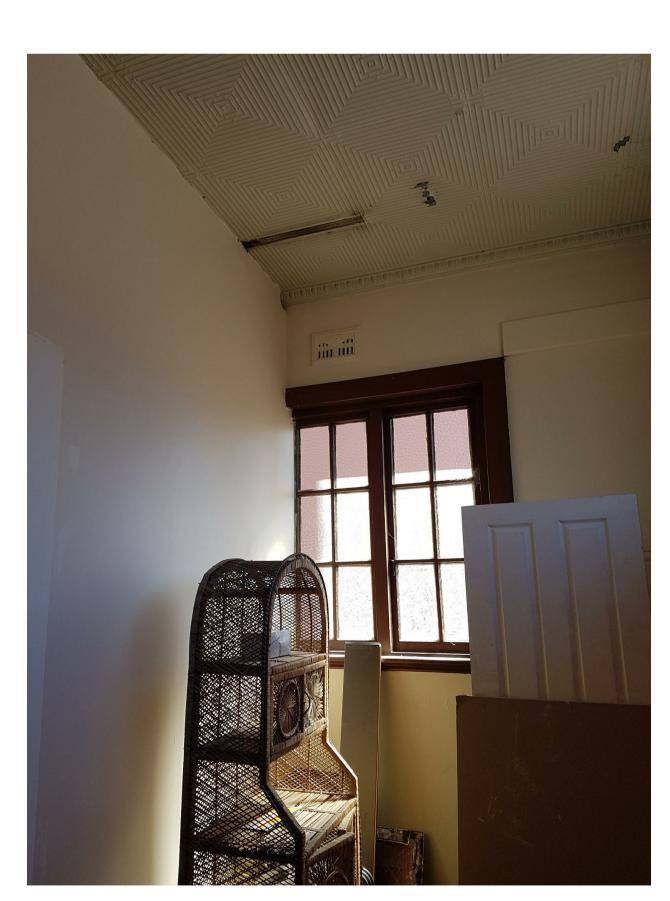
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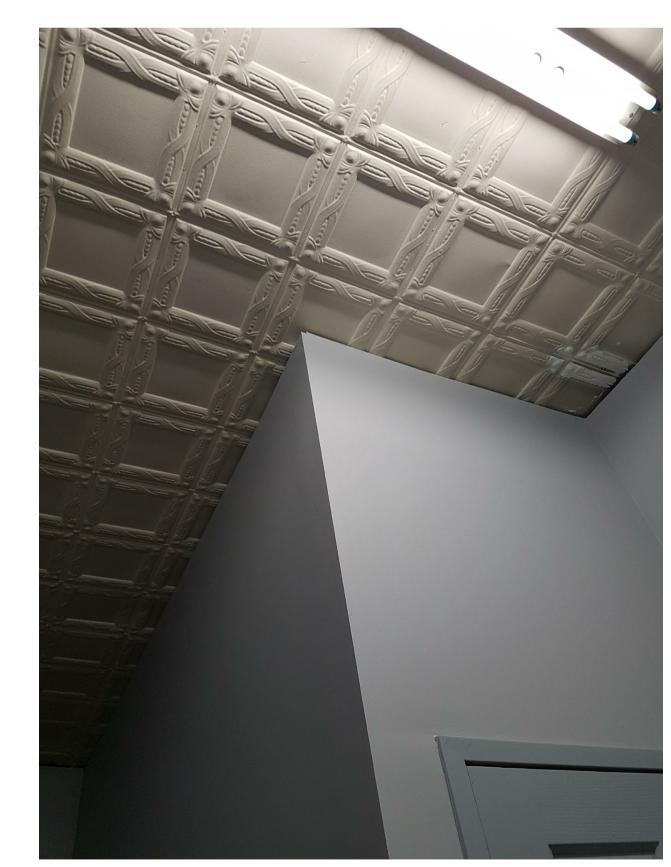
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1	5	Issue for Consultant Coordination	ТВ		04.12.19
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 Proposed heritage restoration and preservation works are documented on the Schedule of Conservation Works prepared by the development Heritage Architect.



Iternal view. A stud wall added for the extension interrupts an original triple panel timber casement window. The oiginal ceiling appears to have been damaged.



Iternal view. A stud wall rises directly to obscure the original decorative ceiling. Modern Fluorescent Lighting fixtures have been installed insensitively over the original ceiling



Northern facade. The Interface between original fabric and the extension currently serves as a builidng entrance.



View from the courtyard. An Eight storey affordable apartment development is visible to the South.

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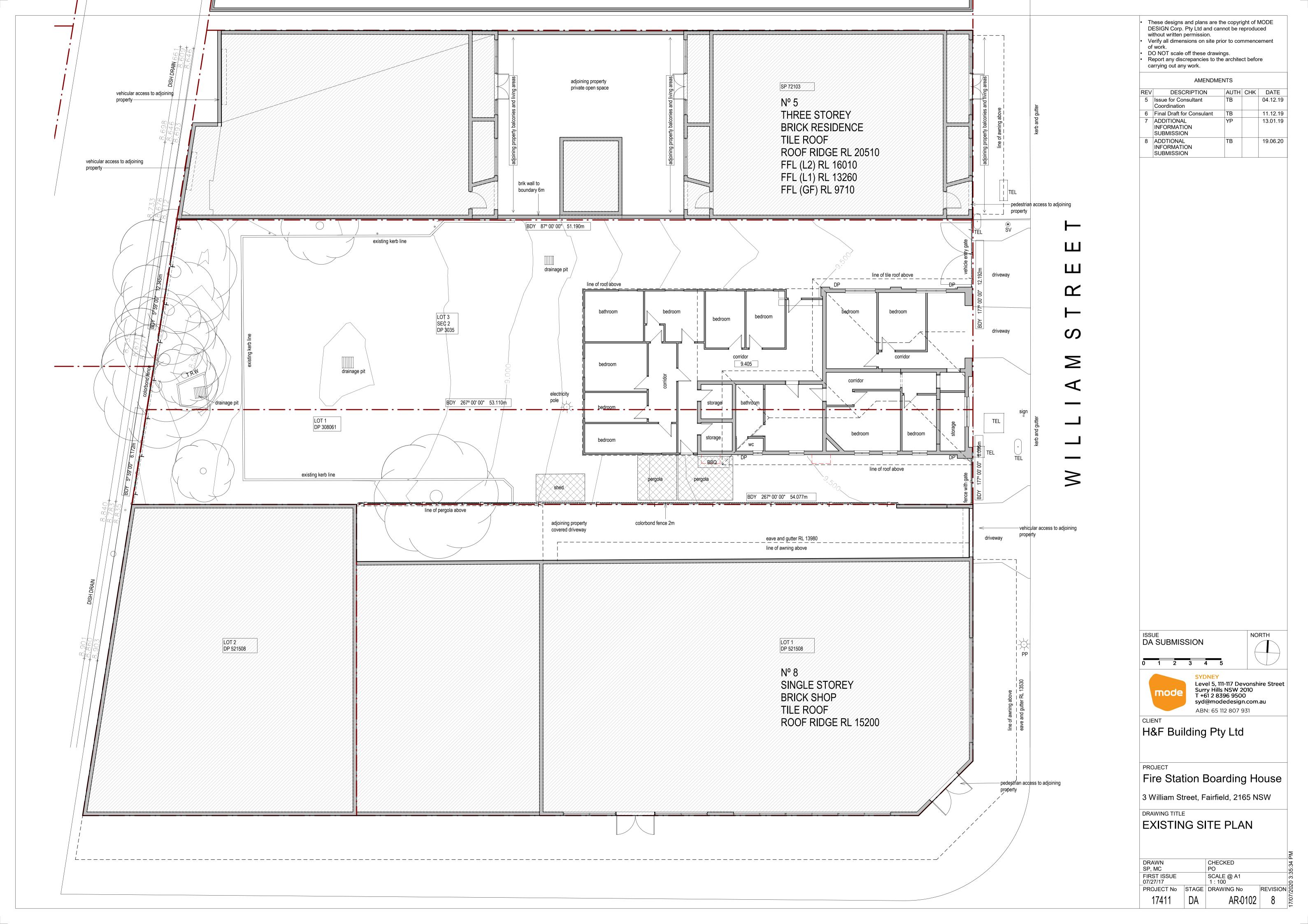
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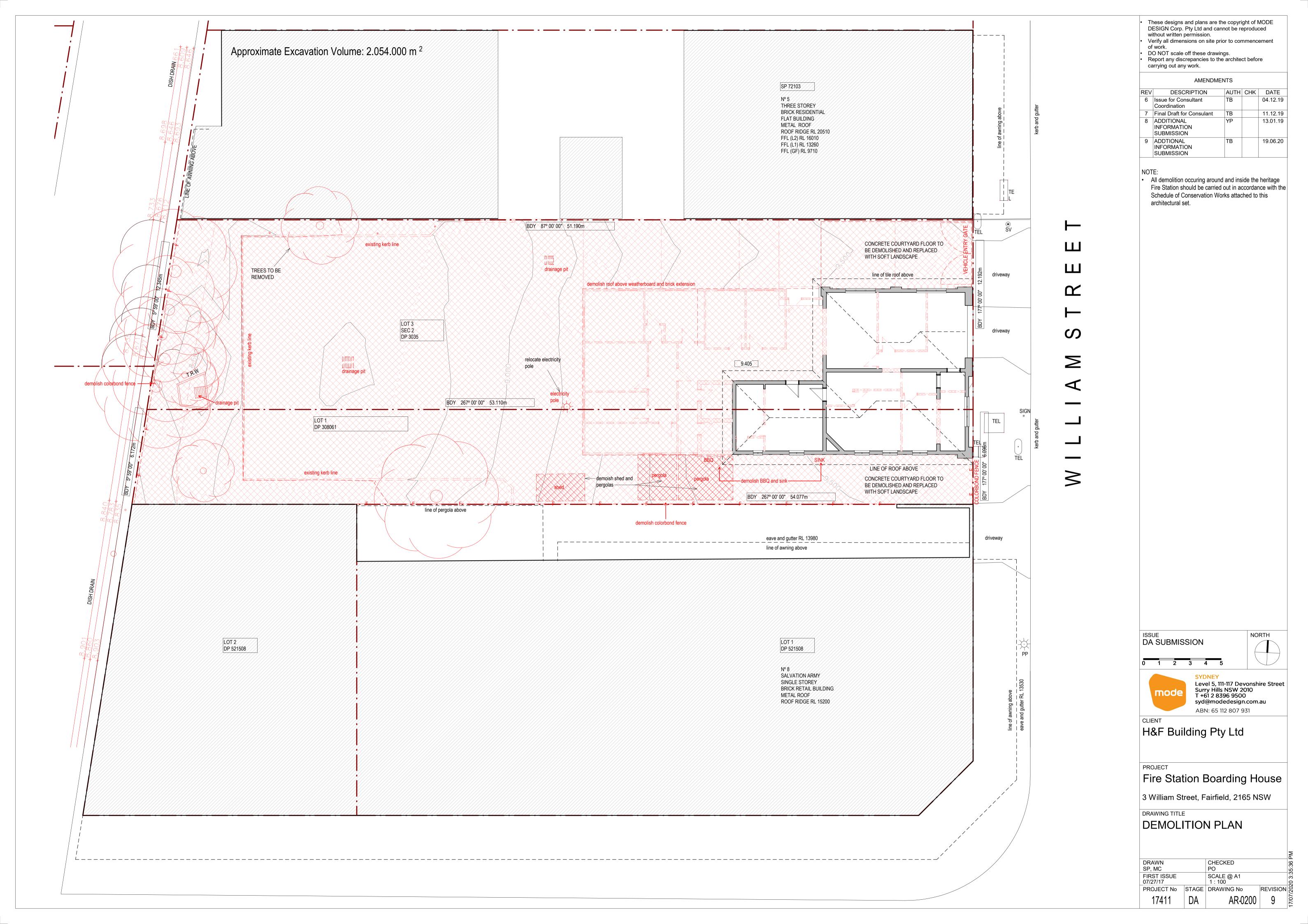
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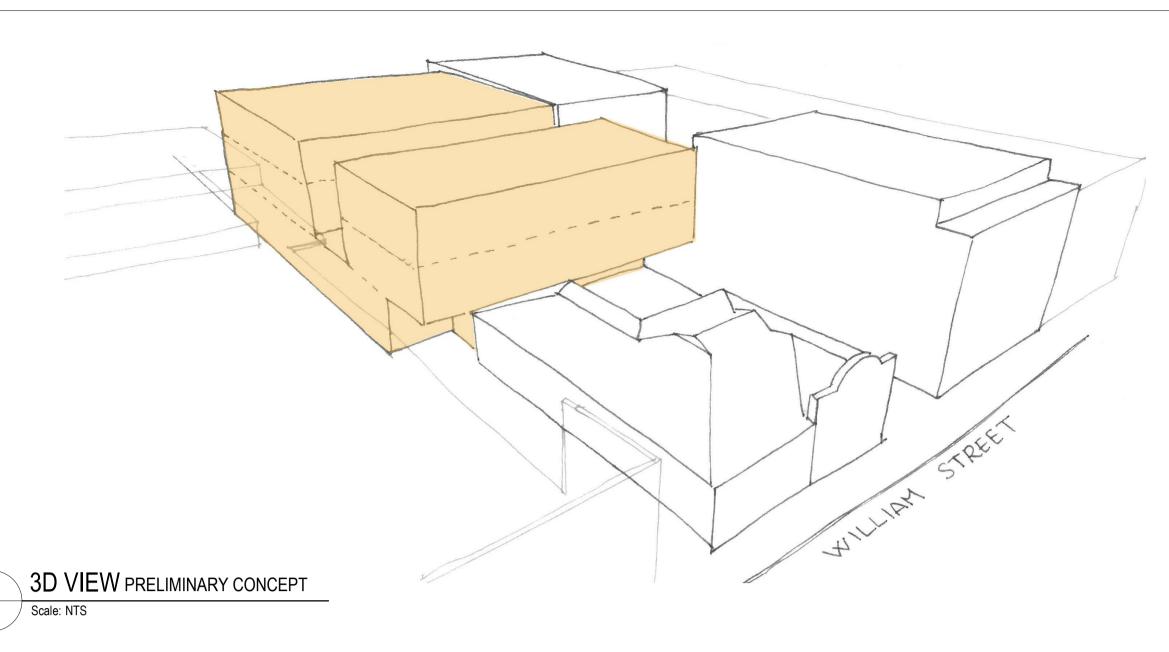
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SITE PHOTOS

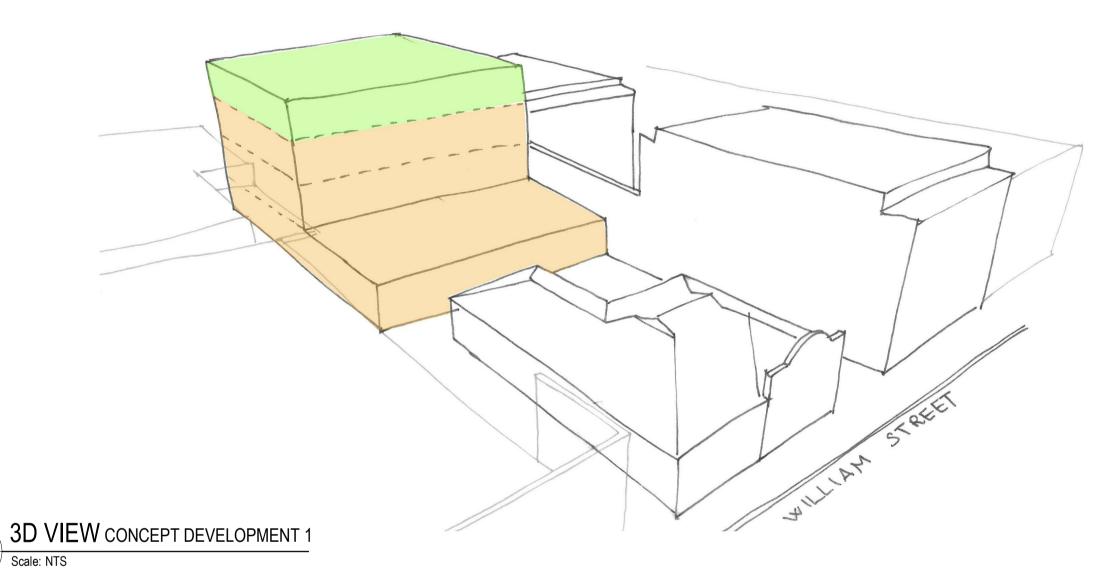
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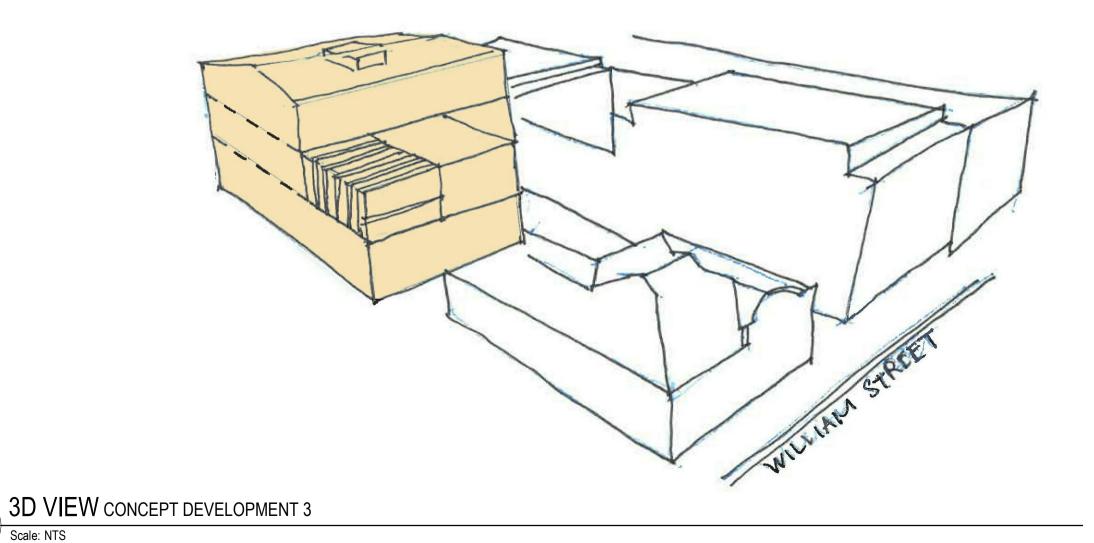




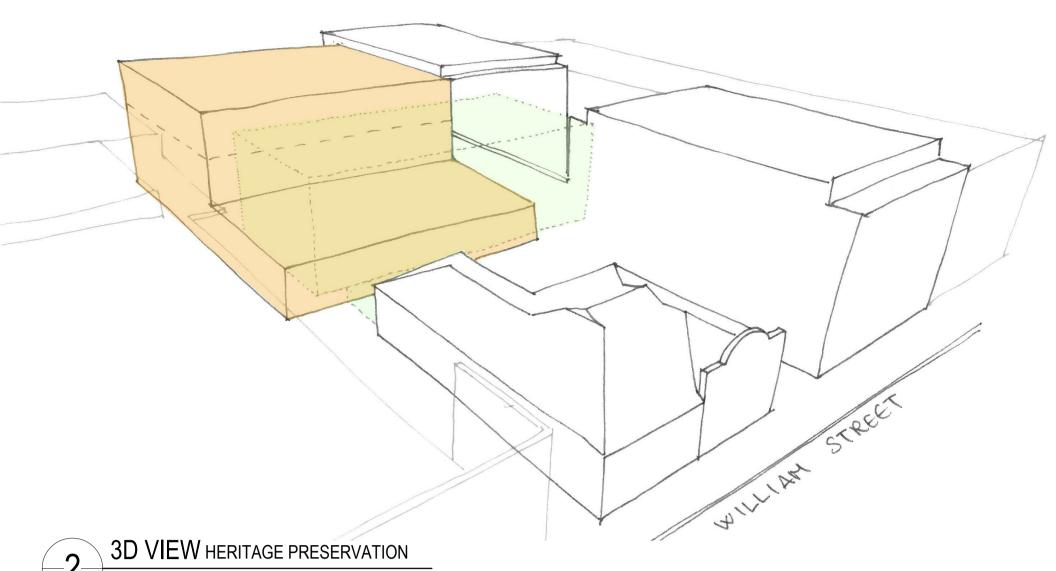
The first concept design consisted of a 3 storey building distributed on two thirds of the site. The FSR achieved was 1.22. This is less than the 2.00 allowable for the site. The new building was directly connected to the heritage fire station (0 setback).



The resulting yield was very low and compromised the overall viability of the development. To facilitate the viability of the development and the restoration of the fire station a fourth storey was introduced of a similar volume to the previously removed 2 storeys (shown green).

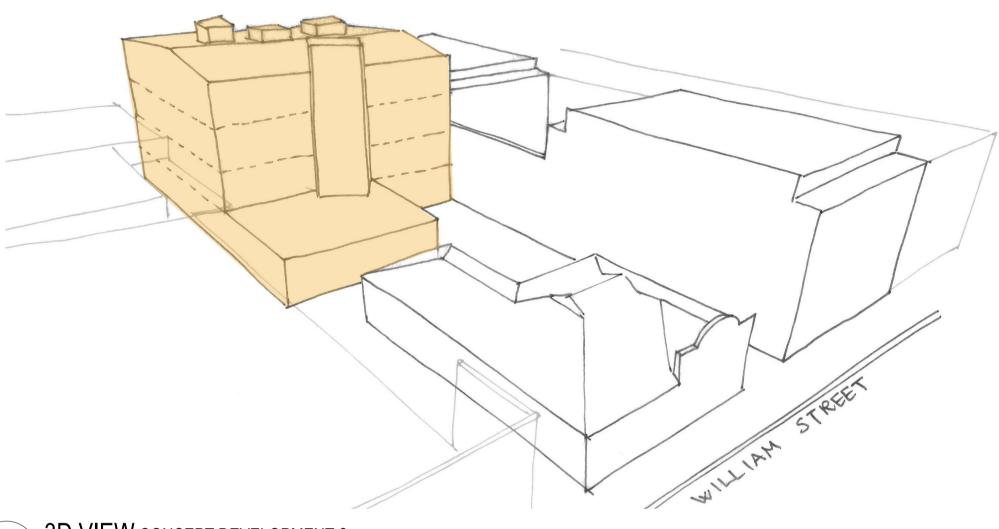


The final envelope presents an FSR of 1.24, with a total area on 1194 square metres.



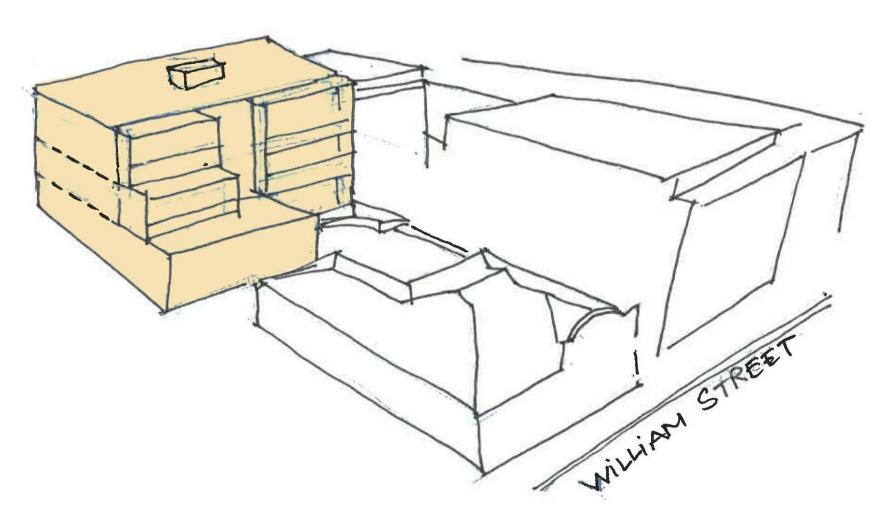
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After a consultation with the heritage architects it was decided to reshape the envelope to increase the setback from the heritage fire station. The front two storeys of the building were subsequently removed (shown green) and the FSR decreased to 0.9.



3D VIEW CONCEPT DEVELOPMENT 2

The final envelope presents an FSR of 1.24, with a total area on 1197 square metres. The setback from heritage building is increased up to 20 metres to further enphasise the architectural and historical importance of the fire station and create more generous landscaped areas on site.



3D VIEW FINAL CONCEPT

The final envelope presents an FSR of 0.86, with a total area on 836 square metres.

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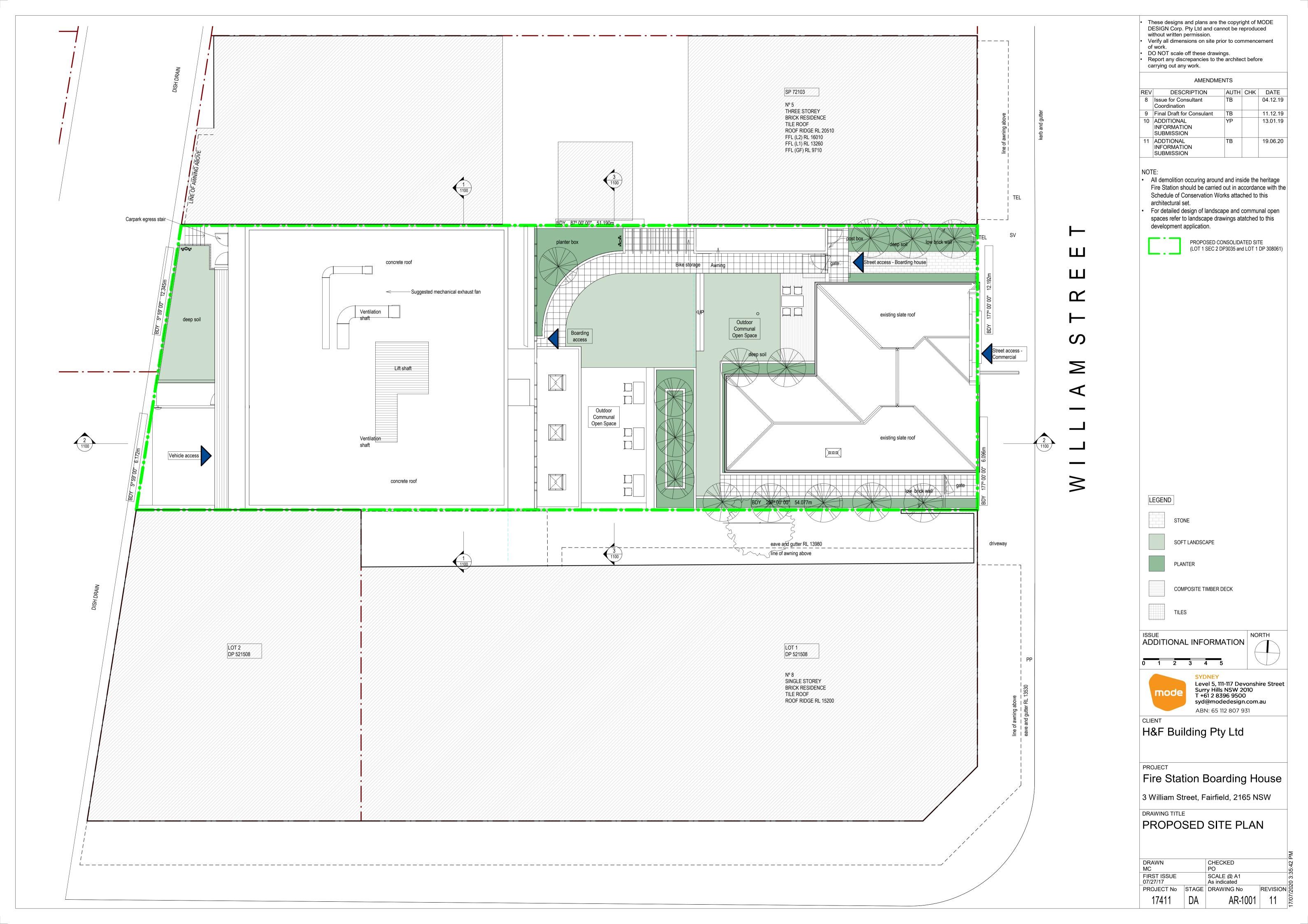
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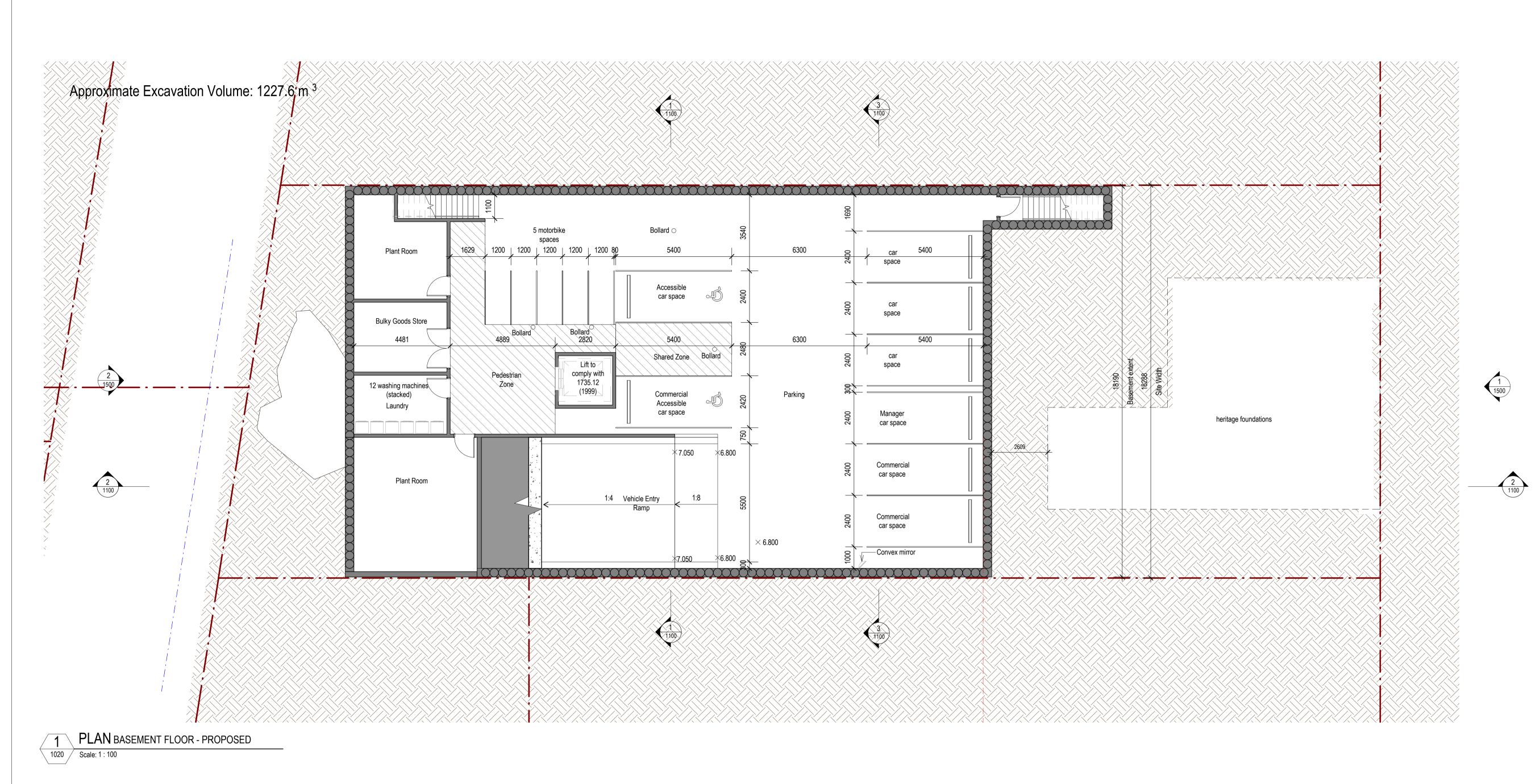
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CONCEPT EVOLUTION

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PARKING

BASAMENT:

8 CAR SPACES

GROUND FLOOR:

9 BYCICLE SPACES

6 MOTORBIKE SPACES

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BOARDING HOUSE BASEMENT LEVEL

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PLAN GROUND FLOOR - PROPOSED

Scale: 1:100

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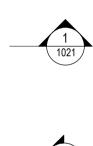
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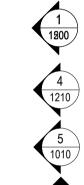
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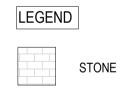
NOTES:

- All room access doors will have a fire rated louvred window to provide for natural ventilation.
- For detailed design of landscape and communal open spaces
- refer to landscape drawings atatched to this development application.





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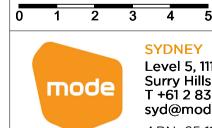








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BOARDING HOUSE GROUND LEVEL

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PLAN LEVEL 1 - PROPOSED 1020 Scale: 1 : 100

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BOARDING HOUSE FIRST LEVEL

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1 DETAIL
1021 Scale: 1 : 100 DETAIL PLANLEVEL 2 - PROPOSED

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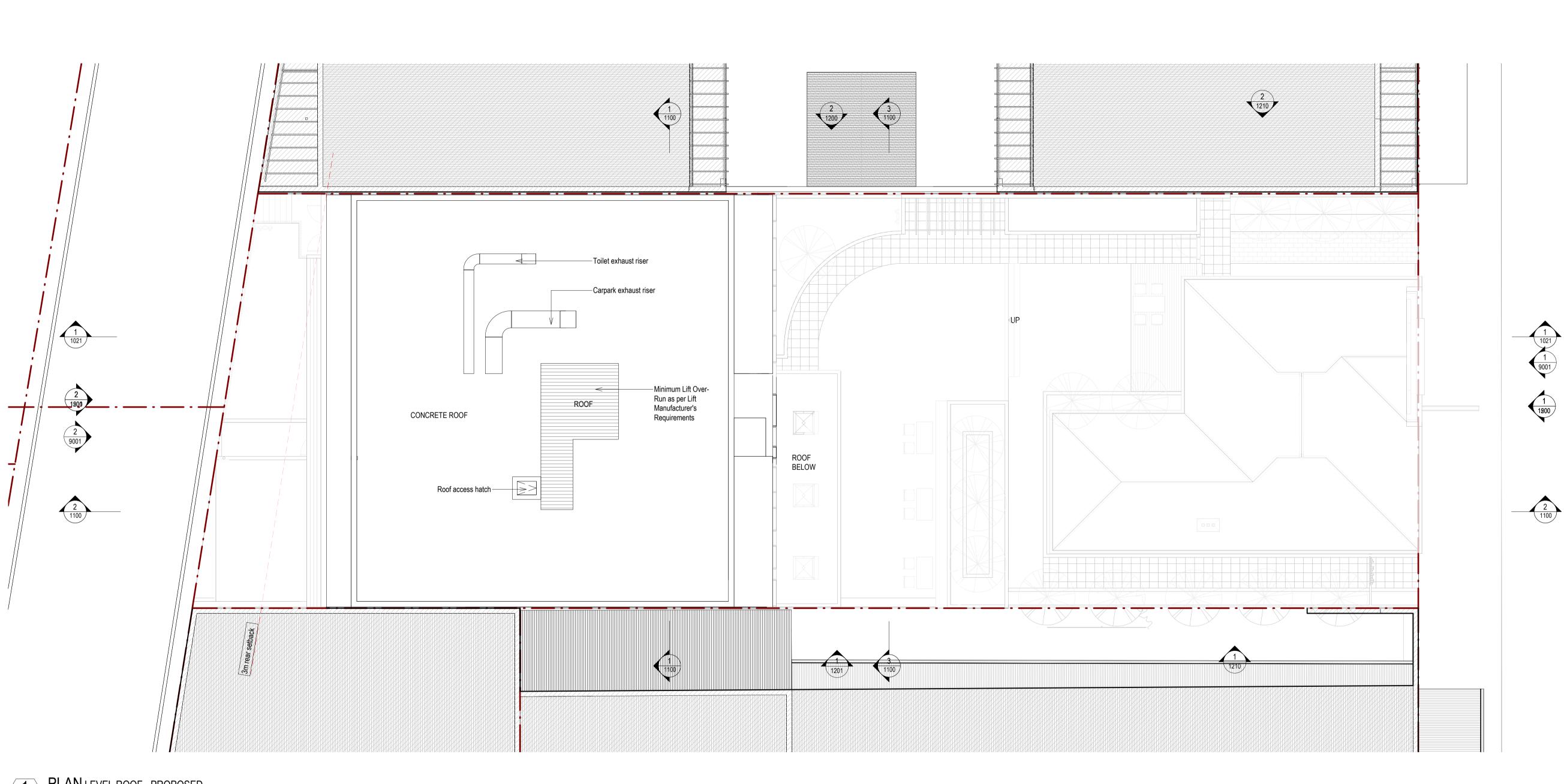
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BOARDING HOUSE SECOND LEVEL

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PLAN LEVEL ROOF - PROPOSED

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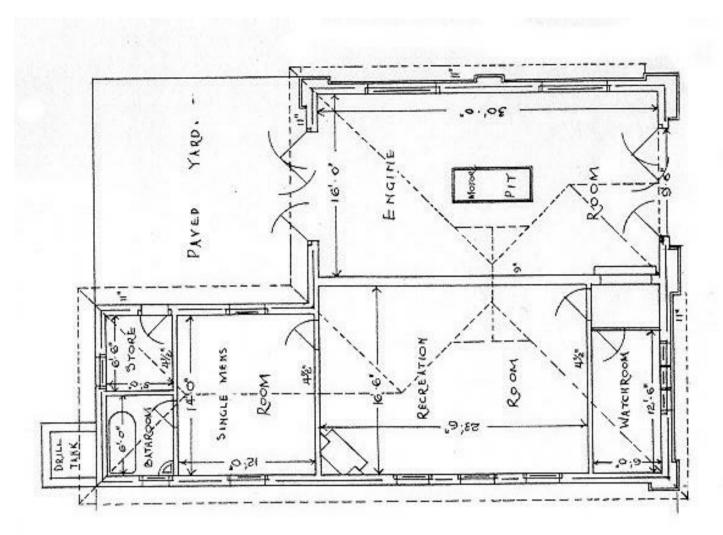
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ROOF LEVEL

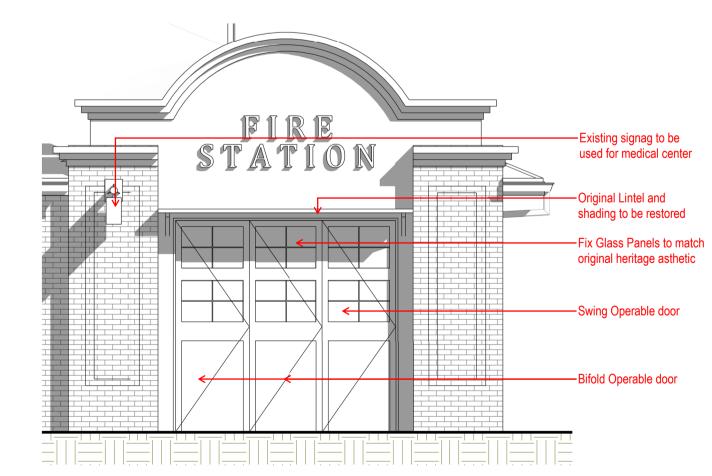
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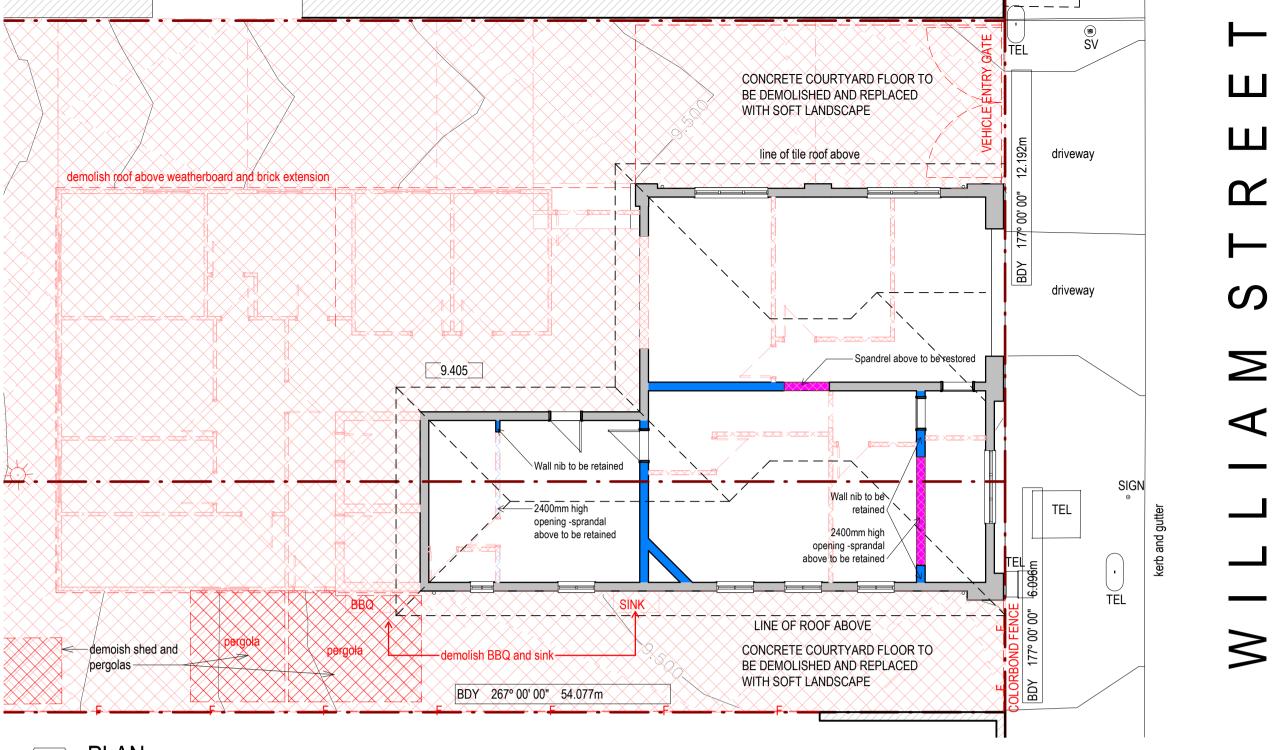
PLAN Heritage Building - Original Plan Scale: 1 : 100



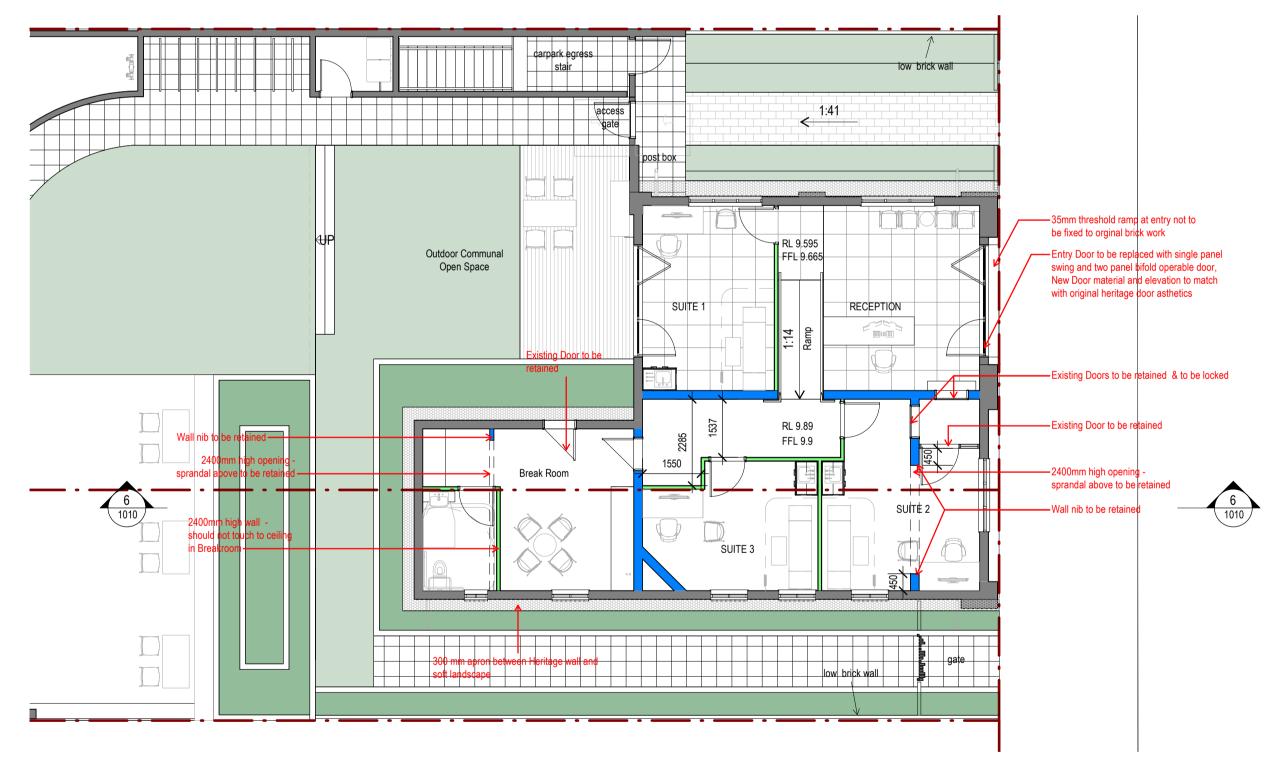
ELEVATION Heritage Building - Original Door Scale: 1:50



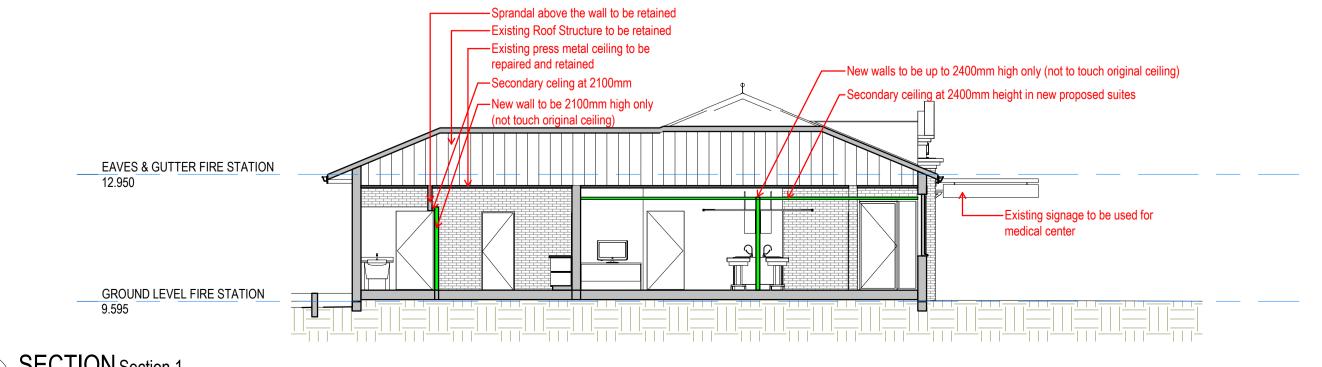
ELEVATION Proposed Replacement Door 5 ELEVA Scale: 1:50



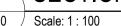
PLAN HERITAGE DETAIL DEMOLITION PLAN 1010 / Scale: 1 : 100



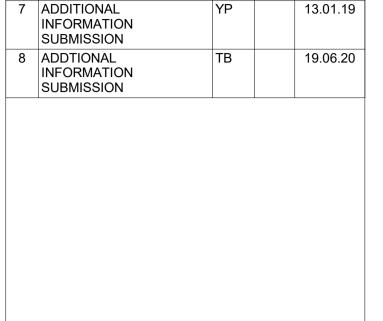
3 PLAN GF 1010 Scale: 1 : 100 PLAN GROUND LEVEL FIRE STATION



6 SECTION Section 1



1010 Scale: 1 : 100



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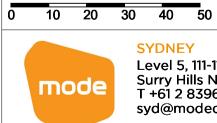
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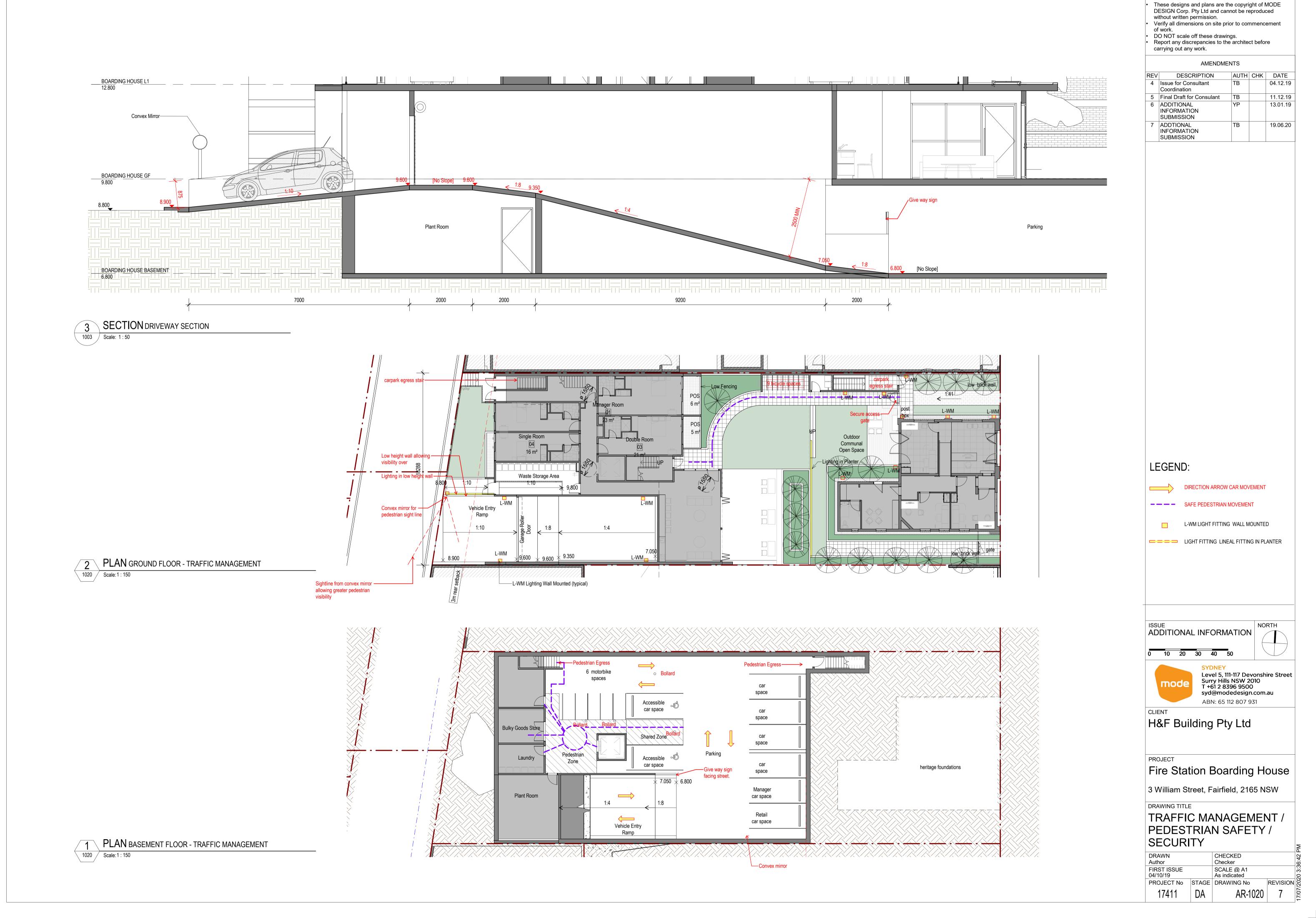
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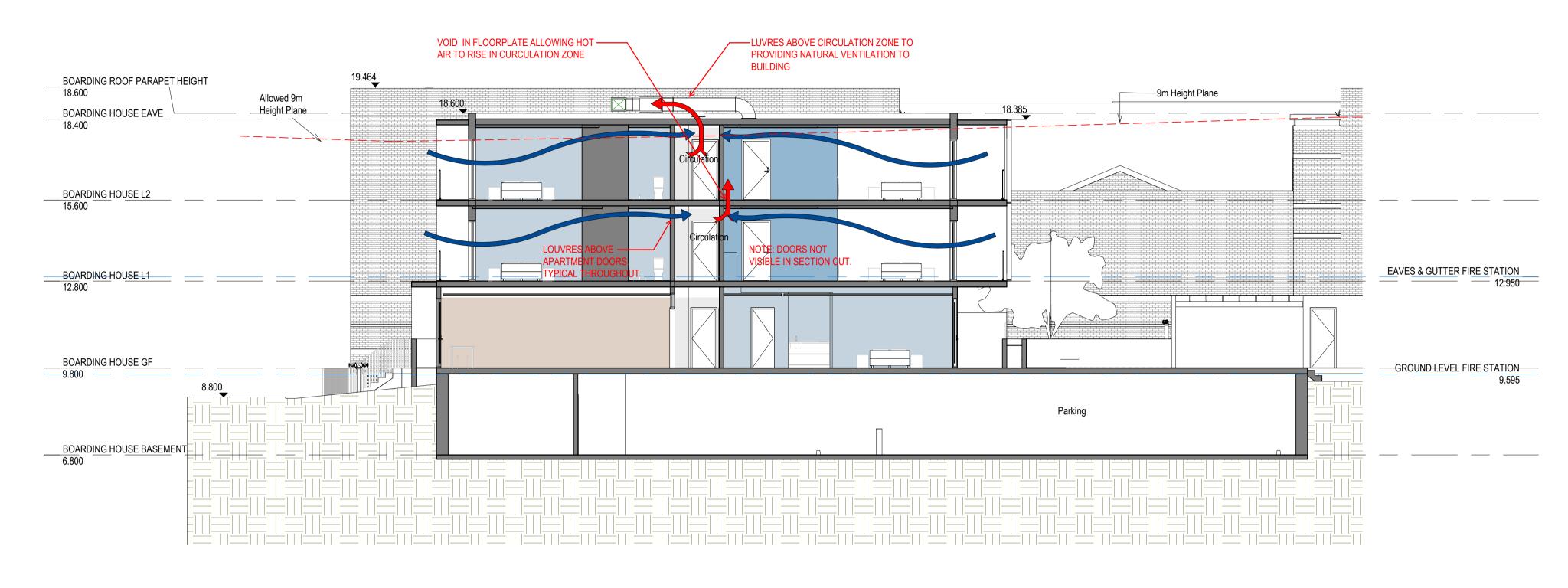
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DRAWING TITLE

FIRE STATION - HERITAGE / DEMOLITION / PROPOSED PLAN / PROPOSED DOOR

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CROSS VENTILATION FACTORS

- 1- Each room has a full height window and balcony.
- 2 Each entry door on level 1 & 2 has a louvre window above that allows airflow towards the corridors 3 - Corridors have 2 voids forming a
- vertical shaft. 4 - Above each void a ventilation tower allows hot air to flow out of the building generating cross ventilation

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Fire Station Boarding House

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CROSS FLOW VENTILATION DIAGRAM

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17411	DA	AR-1021	7	17/07/2020

SECTION SECTION - CROSS FLOW VENTILATION DIAGRAM 005 Scale: 1 : 100



AREA SCHEDULE (GROSS BUILDING)				
Level	Name	Area (m²)		
BOARDING HOUSE BASEMENT	Boarding House	12		
BOARDING HOUSE GF	Boarding House	174		
BOARDING HOUSE GF	Fire Station	115		
BOARDING HOUSE L1	Boarding House	262		
BOARDING HOUSE L2	Boarding House	262		
Grand total		824		

Name	Number	Area
BOARDING HOUSE BASEMENT		
Parking	41	417 m ²
Bulky Goods Store	43	14 m²
Laundry	44	12 m²
Plant Room	45	36 m²
Plant Room	59	18 m ²
BOARDING HOUSE GF		
Manager Room	01	21 m²
Single Room	02	16 m²
Double Room	03	21 m²
Single Room	04	16 m²
Communal Room	C01	37 m²
Outdoor Communal Open Space	C02	162 m²
Circulation	CI1	32 m²
Waste Storage Area	G1	24 m²
BOARDING HOUSE L1 Double Room	05	17 m²
Double Room	06	17 m²
Double Room	07	16 m ²
Double Room	08	16 m²
Double Room	09	16 m ²
Double Room	10	19 m²
Double Room Accessible	11	23 m²
Double Room	12	17 m²
Double Room	13	18 m²
Circulation	CI2	37 m²
BOARDING HOUSE L2		
Double Room	14	17 m²
Double Room	15	17 m²
Double Room	16	16 m²
Double Room	17	16 m²
Double Room	18	16 m²
Double Room	19	19 m²

17 m² 18 m²

36 m²

Double Room Accessible

Double Room

Double Room Circulation

Site Area	961.1 m ²	
Floor Space Ratio	2.00:1	
Allowable GFA	1922.2 m ²	
Total GFA	825.00 m ²	
Actual FSR	0.86:1	

Landscaped Area (Planter Boxs)	38.00 m ²
Landscaped Area (Deep Soil)	131.60 m ²
Total Landscaped Area	169.60 m ²

Communal open space (Indoor)	037 m ²
Communal open space (Outdoor)	162 m ²
Heritage open space (Outdoor)	120 m ²
Total Communal Open Space	319 m²

Oolal access	72% of units receive at least 2 hours direct sulight between 8am and 4pm on winter solstice 21st of June		
Cross Flow Ventilation	69.2% of units benefit cross ventilation (18 units, at 1st, 2nd levels)		

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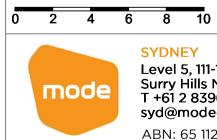
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11	ADDITIONAL INFORMATION SUBMISSION	YP		18.09.20

ADDITIONAL INFORMATION



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Surry Hills NSW 2010
T +61 2 8396 9500
syd@modedesign.com.au ABN: 65 112 807 931

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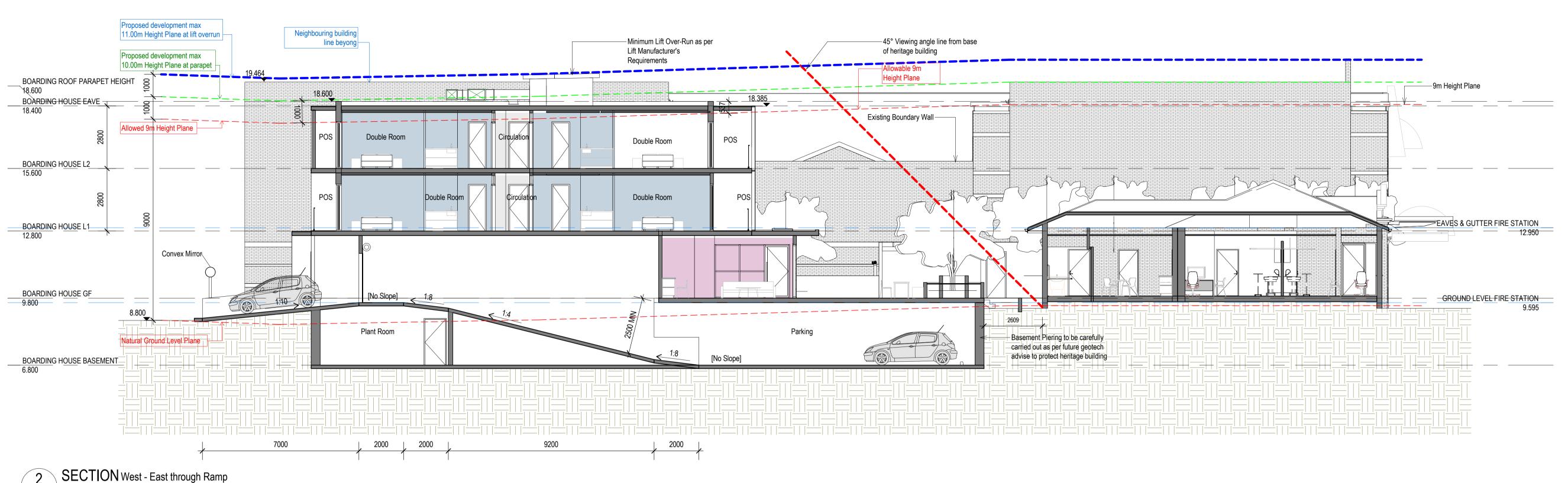
Fire Station Boarding House

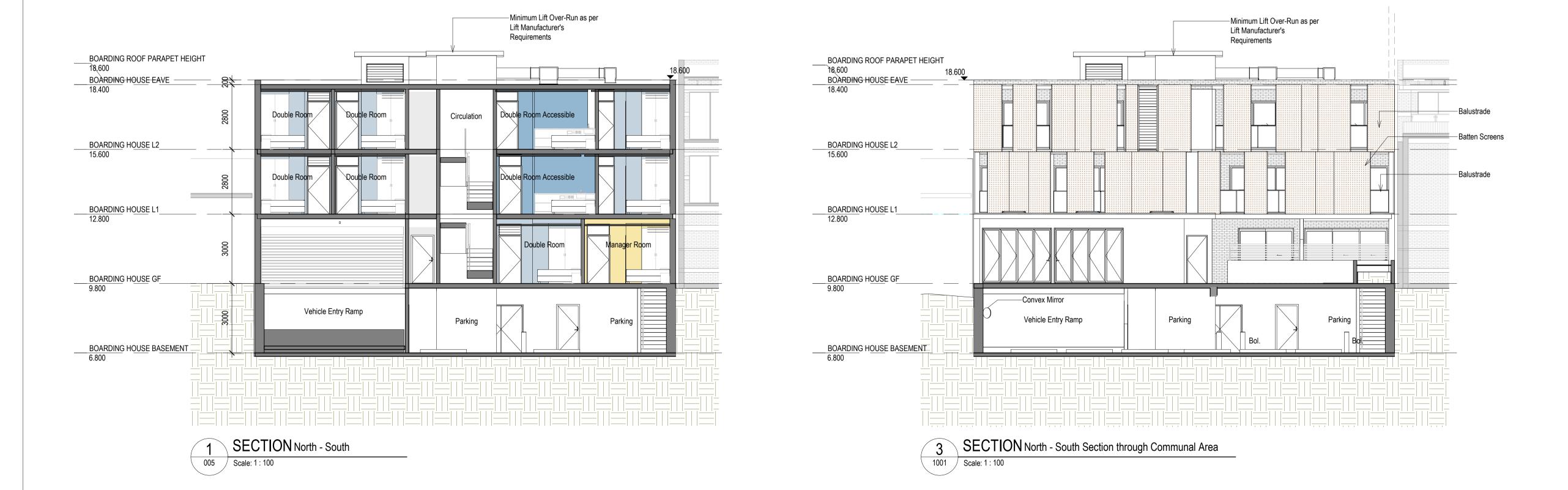
3 William Street, Fairfield, 2165 NSW

DRAWING TITLE

AREA PLANS

DRAWN MC		CHECKED PO	
FIRST ISSUE 05/11/18		SCALE @ A1 1:200	
PROJECT No	STAGE	DRAWING No	REVISION
17411	DA	AR-1050	11





005 Scale: 1 : 100

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	REV	DESCRIPTION	AUTH	CHK	DATE
	8	Issue for Consultant Coordination	ТВ		04.12.19
	9	Final Draft for Consulant	ТВ		11.12.19
	10	ADDITIONAL INFORMATION SUBMISSION	YP		13.01.19
	11	ADDTIONAL INFORMATION SUBMISSION	ТВ		19.06.20

Boarding House Ground Level sits 1 metre above the existing rear of site ground level (circa RL 8.800). This will prevent the site from flooding andf will further protect the heritage building from damage. For details refer to flood report attached to this development application.



0 1 2 3 4 5



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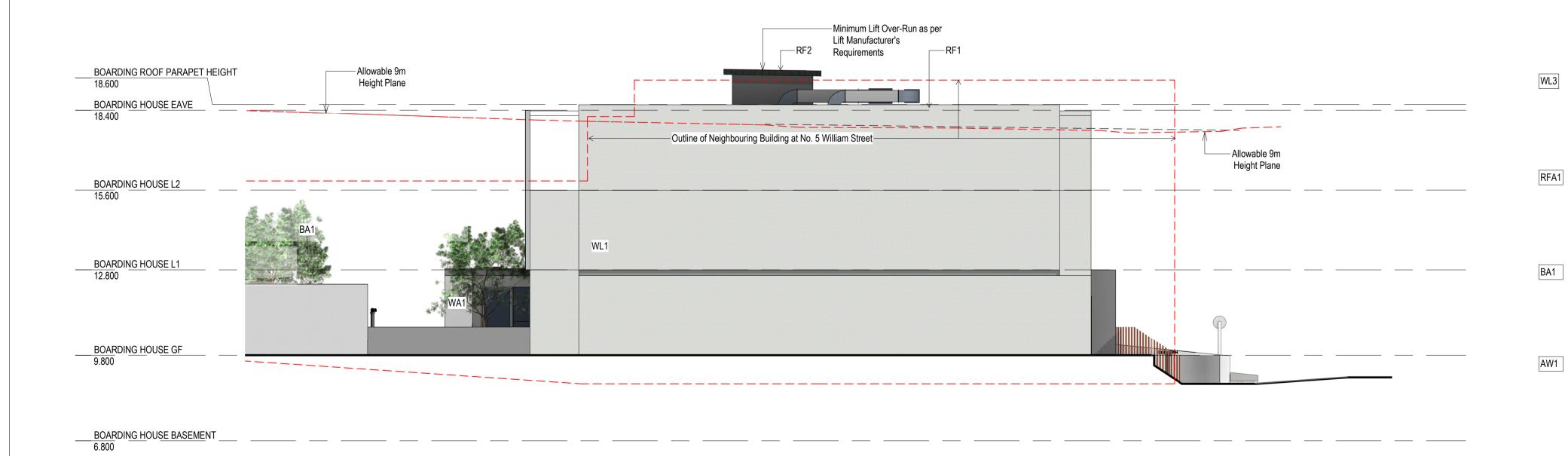
DRAWING TITLE

SECTIONS

DRAWN MC		CHECKED PO	
FIRST ISSUE 07/27/17		SCALE @ A1 1:100	
PROJECT No	STAGE	DRAWING No	REVISION
17411	DA	AR-1100	11







2 ELEVATION North- Boarding House 1003 | Scale: 1 : 100

LEGEND - MATERIALS & FINISHES



WA1

WA3

DA1

DA2

RF1

FA1

FA2

FA3

ALUMINIUM DOOR - SLIDING



POWDER COATED ALUMINUM WINDOWS



FIRE RATED DOOR



GARAGE ENTRY DOOR



CONCRETE ROOF



PRIVACY FENCE



FIXED LOUVER SCREENS



PERFORATED SCREENS RUSTED COLOUR



FIBRECEMENT FINISH



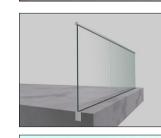




BRICKWORK



ROOF FASCIA - TYPE 1



GLASS BALUSTRADE



PERGOLA

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ISSUE ADDITIONAL INFORMATION 0 1 2 3 4 5



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Fire Station Boarding House

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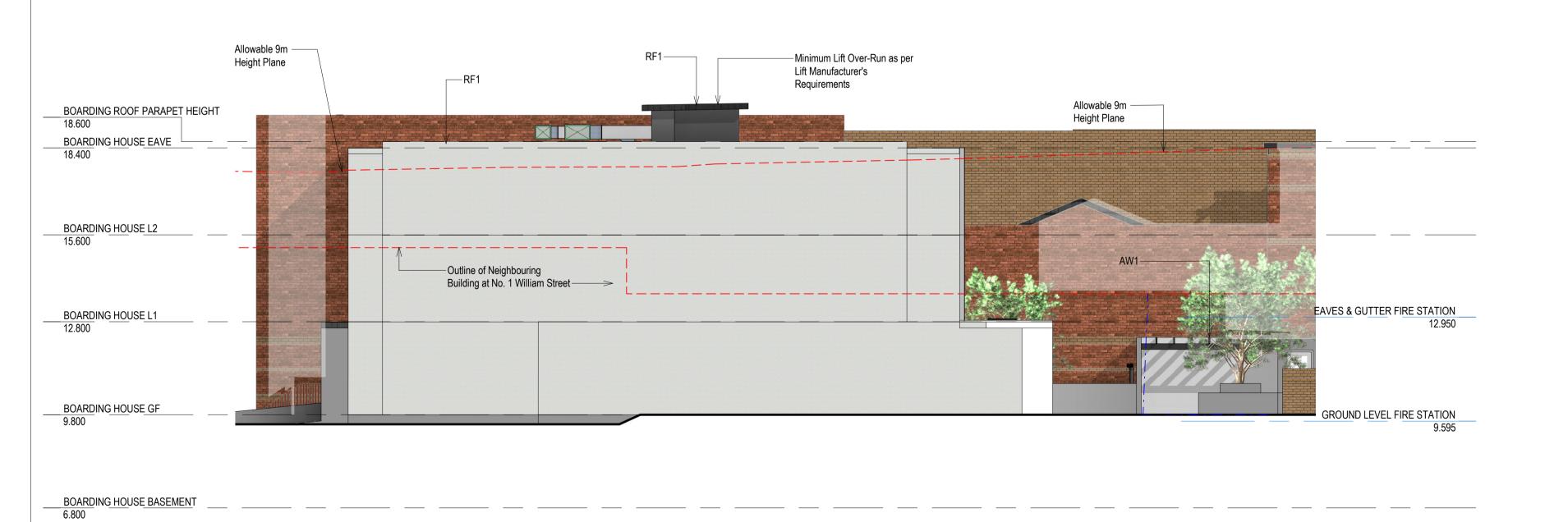
DRAWING TITLE

BOARDING HOUSE ELEVATIONS

				₽
DRAWN		CHECKED		57
MC		PO		37:
FIRST ISSUE 07/27/17_		SCALE @ A1 1 : 100		20 3:3
PROJECT No	STAGE	DRAWING No	REVISION	/202
17411	DA	AR-1200	11	7/0/



SITE ELEVATIONWest - Boarding House 2 SITE EL 005 Scale: 1 : 100



SITE ELEVATIONSouth - Boarding House 005 Scale: 1 : 100

LEGEND - MATERIALS & FINISHES

WA1

WA3

DA1

RF1



ALUMINIUM DOOR - SLIDING



POWDER COATED ALUMINUM WINDOWS



FIRE RATED DOOR



GARAGE ENTRY DOOR



CONCRETE ROOF



PRIVACY FENCE



FIXED LOUVER SCREENS



PERFORATED SCREENS RUSTED COLOUR



FA3

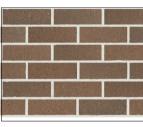


FIBRECEMENT FINISH

WL2



STOCCO PLASTER FINISH



BRICKWORK

RFA1



ROOF FASCIA - TYPE 1

BA1

AW1



GLASS BALUSTRADE



PERGOLA

ISSUE ADDITIONAL INFORMATION 0 1 2 3 4 5

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DESCRIPTION

8 Issue for Consultant

INFORMATION SUBMISSION

INFORMATION SUBMISSION

9 Final Draft for Consulant

Coordination

10 ADDITIONAL

11 ADDTIONAL



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Fire Station Boarding House

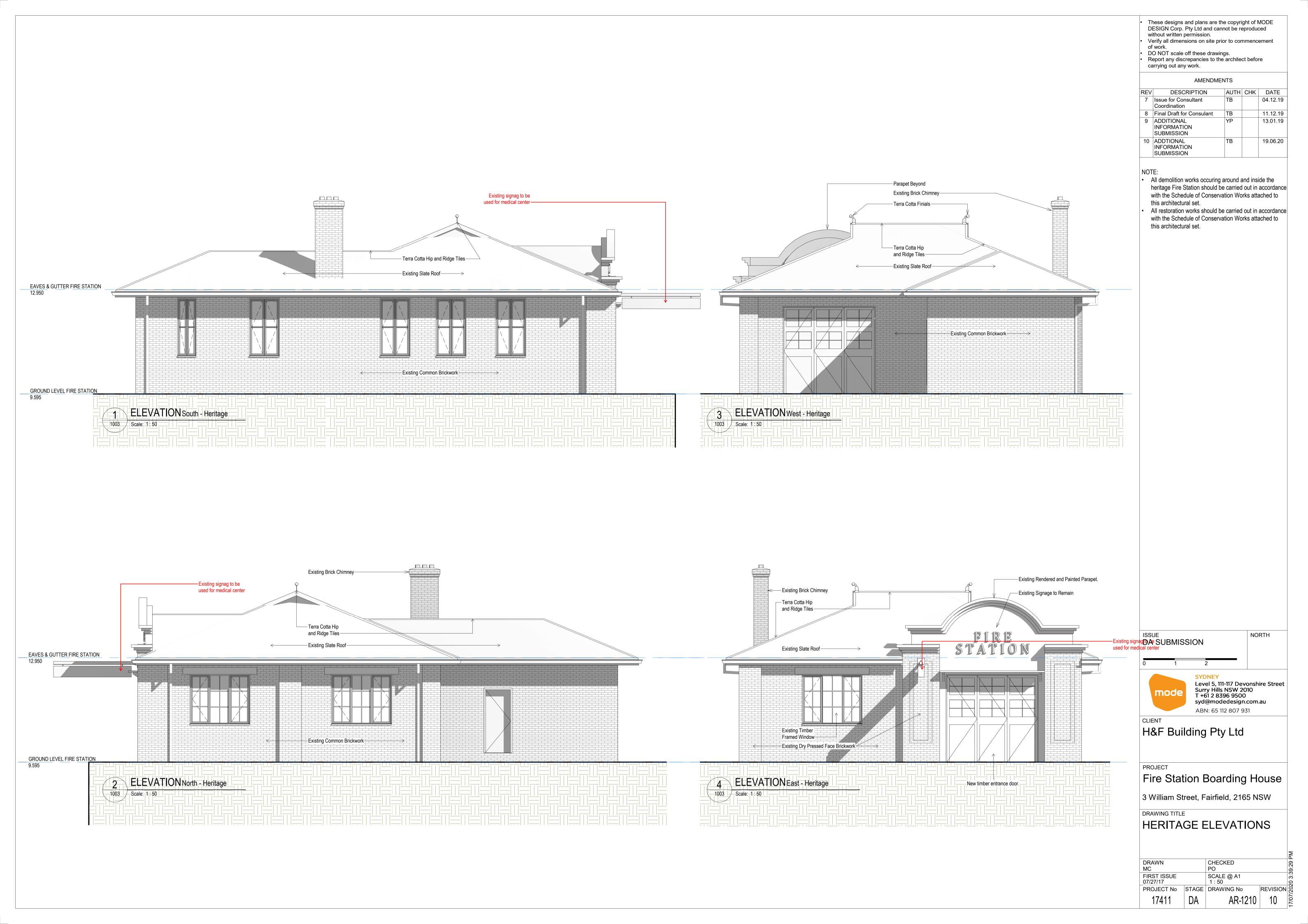
3 William Street, Fairfield, 2165 NSW

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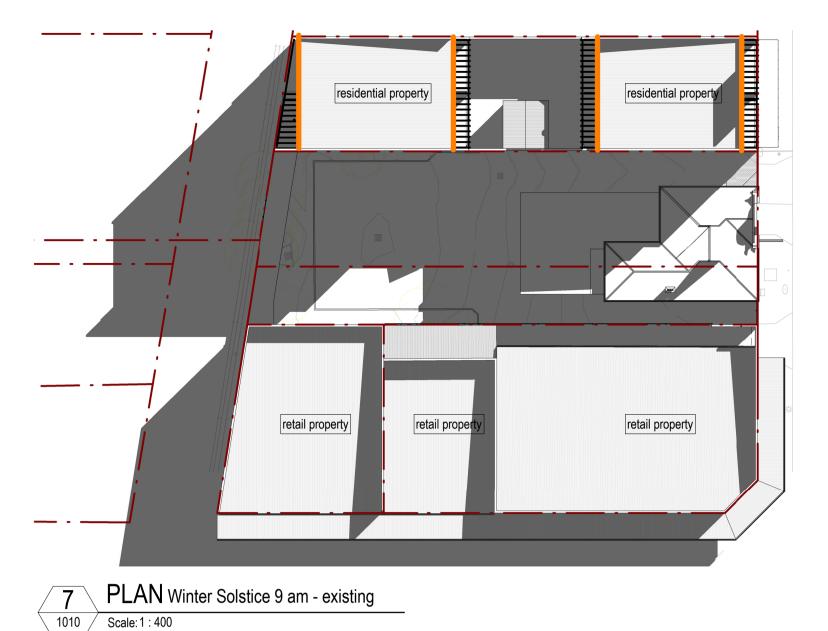
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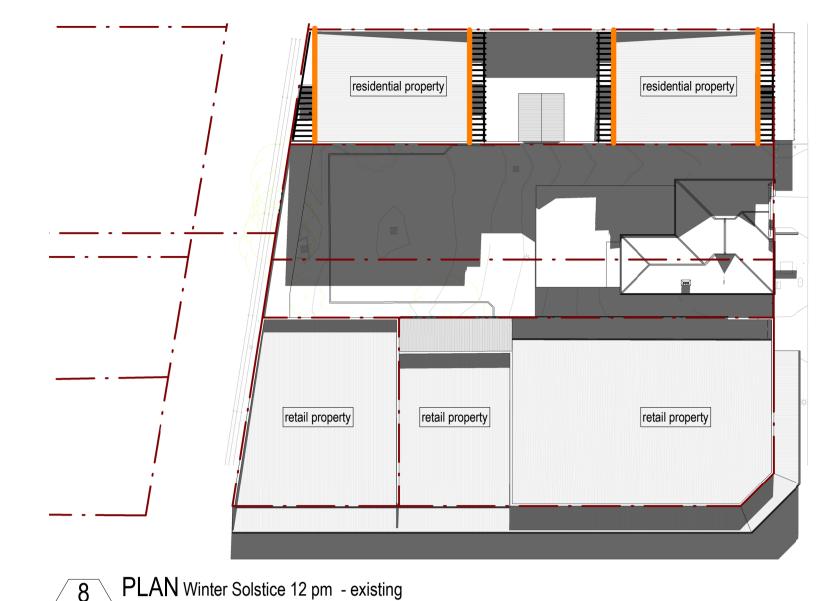
BOARDING HOUSE ELEVATIONS

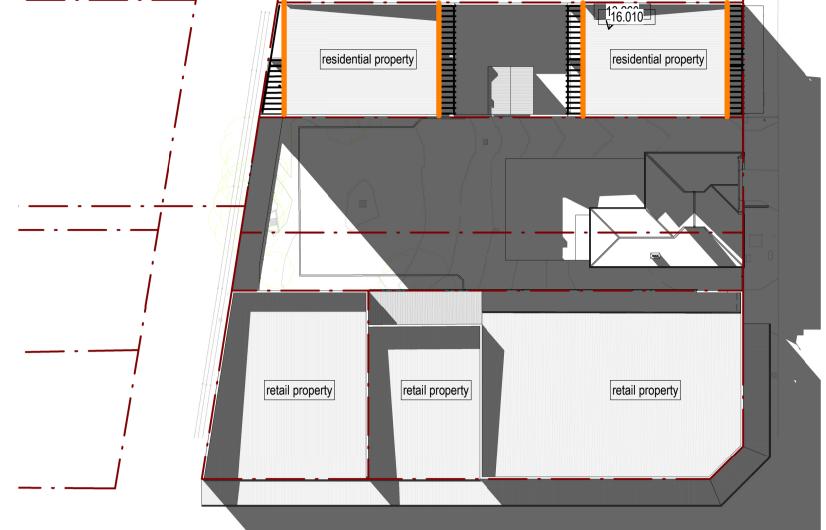
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DRAWN		CHECKED		60
MC		PO		39:
FIRST ISSUE 07/27/17_		SCALE @ A1 1 : 100		0 3:
PROJECT No	STAGE	DRAWING No	REVISION	/202
17411	DA	AR-1201	11	7/0//

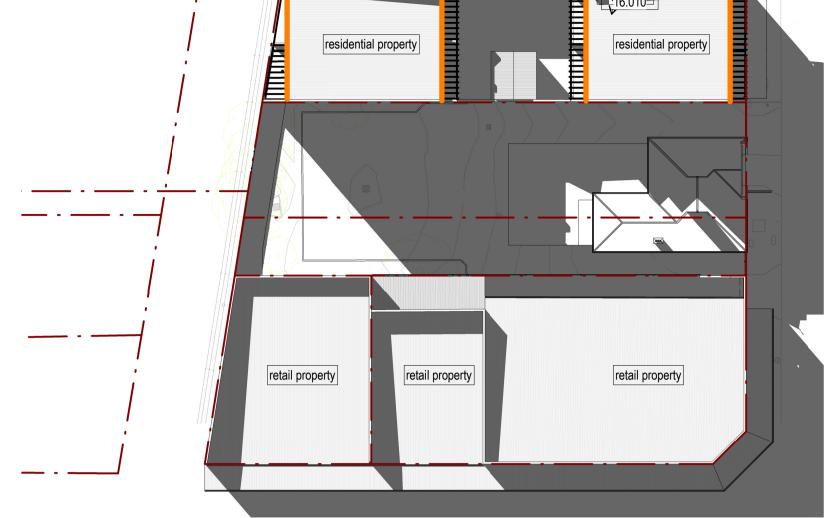


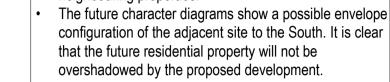
EXISTING BUILDING - WINTER SOLSTICE (21 JUNE)











• The orange lines indicates the widows of residential

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8 Issue for Consultant

INFORMATION SUBMISSION 11 ADDTIONAL

INFORMATION SUBMISSION

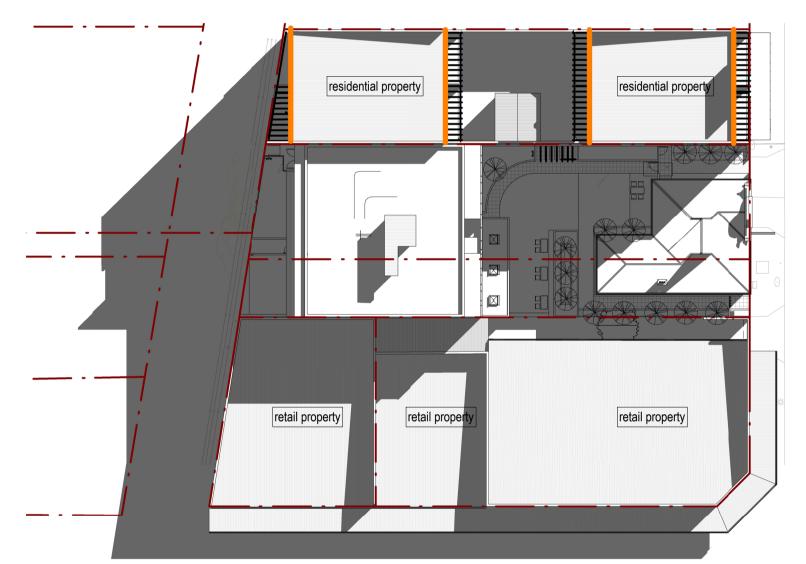
neighbouring properties.

10 ADDITIONAL

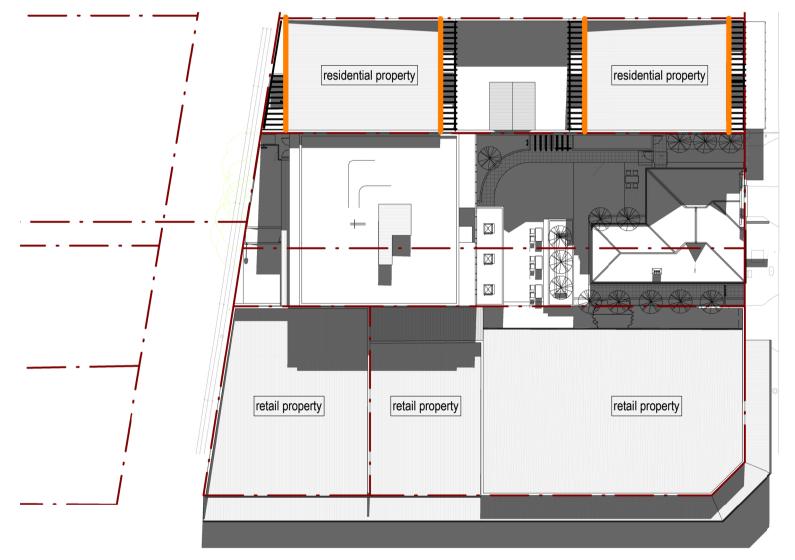
9 Final Draft for Consulant

DO NOT scale off these drawings.

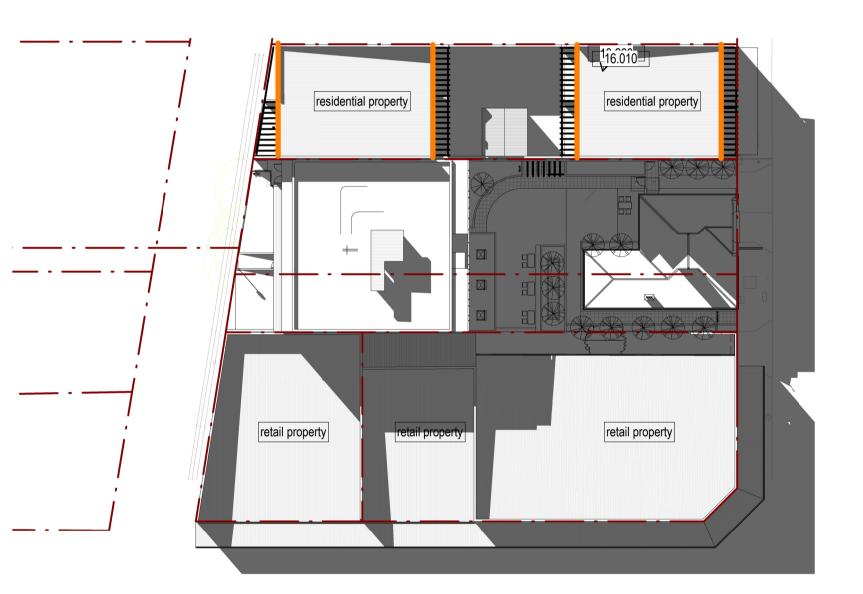
PROPOSED DEVELOPMENT - WINTER SOLSTICE (21 JUNE)







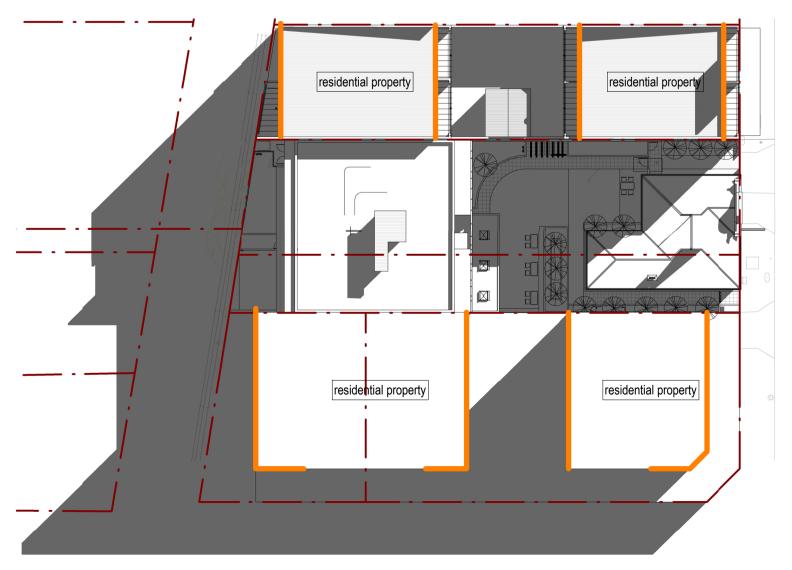
PLAN Winter Solstice 12 pm - proposed



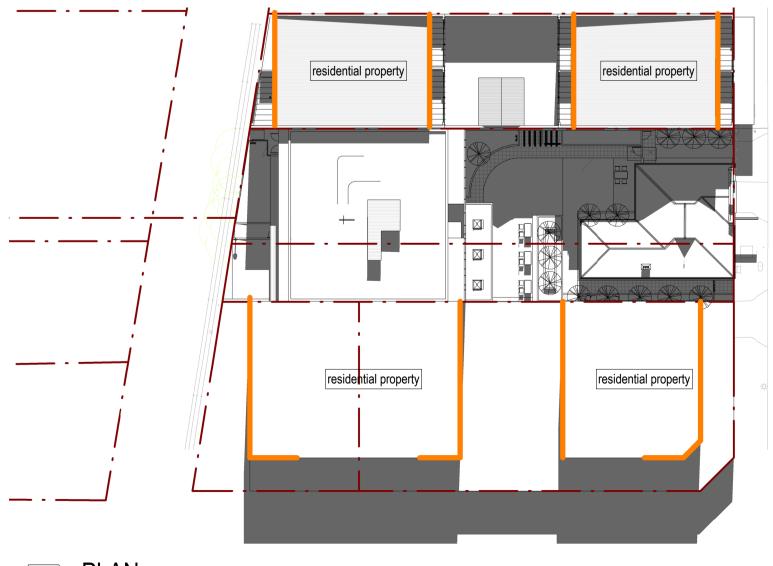
PLAN Winter Solstice 15 pm - proposed

PLAN Winter Solstice 15 pm - existing

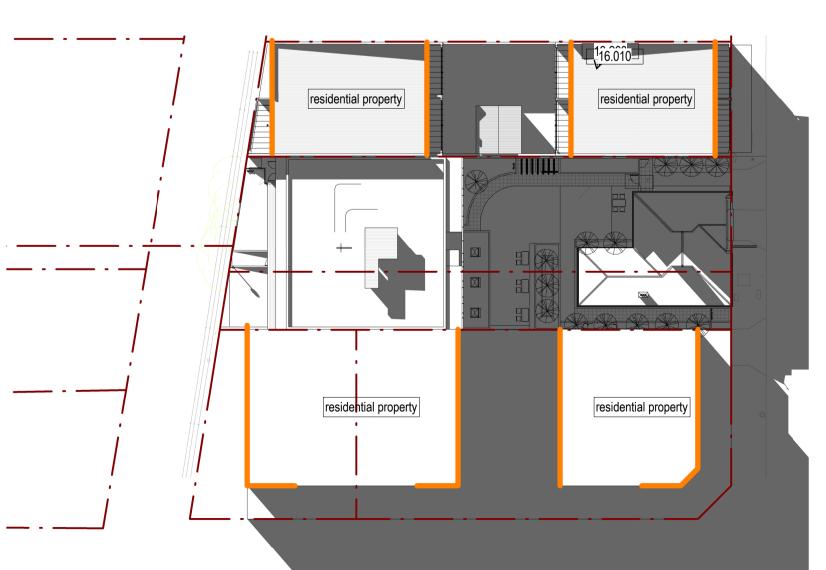
FUTURE CHARACTER - WINTER SOLSTICE (21 JUNE)





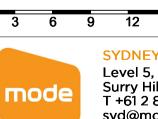






PLAN Winter Solstice 15 pm - future

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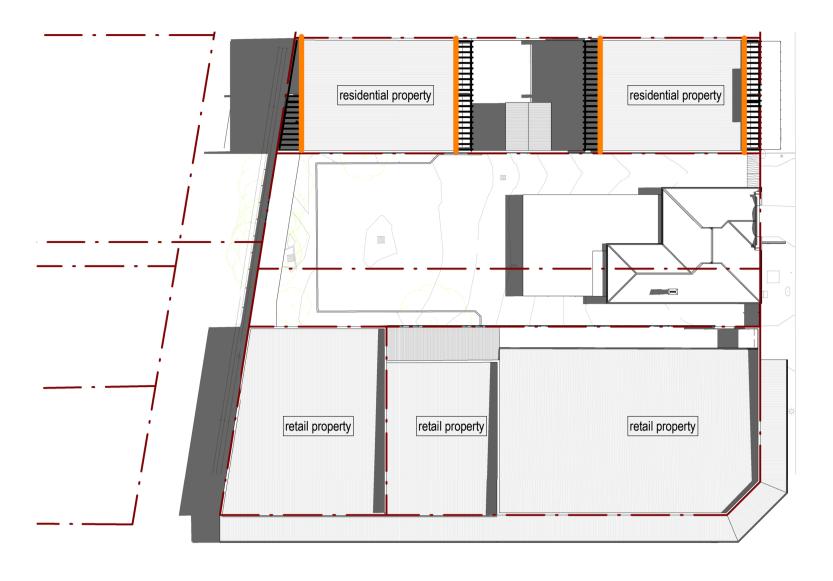
Fire Station Boarding House

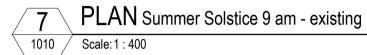
3 William Street, Fairfield, 2165 NSW

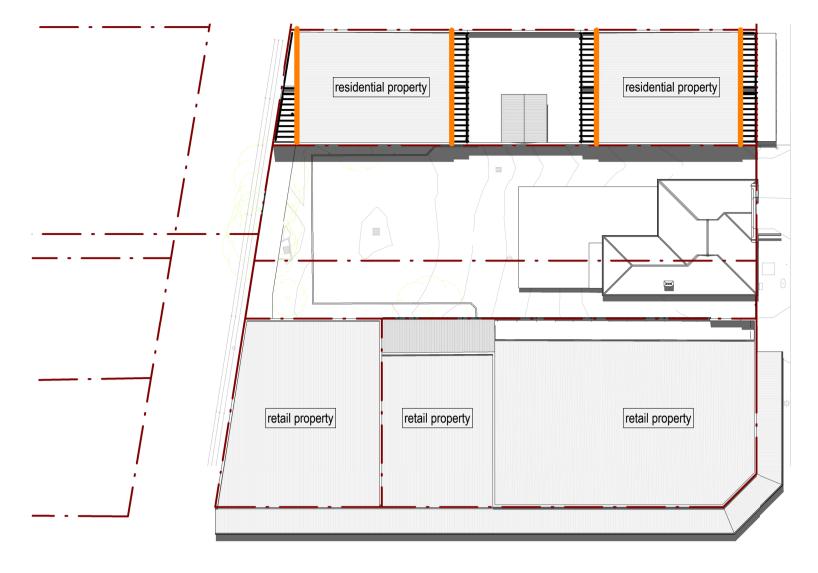
SHADOW DIAGRAMS WINTER SOLSTICE

SCALE @ A1 1:400 AR-1300 11

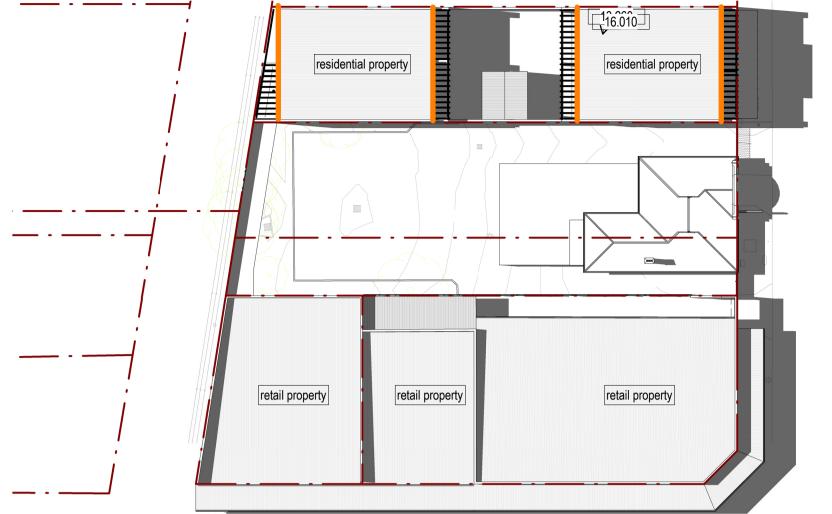
EXISTING BUILDINGS - SUMMER SOLSTICE (21 DECEMBER)





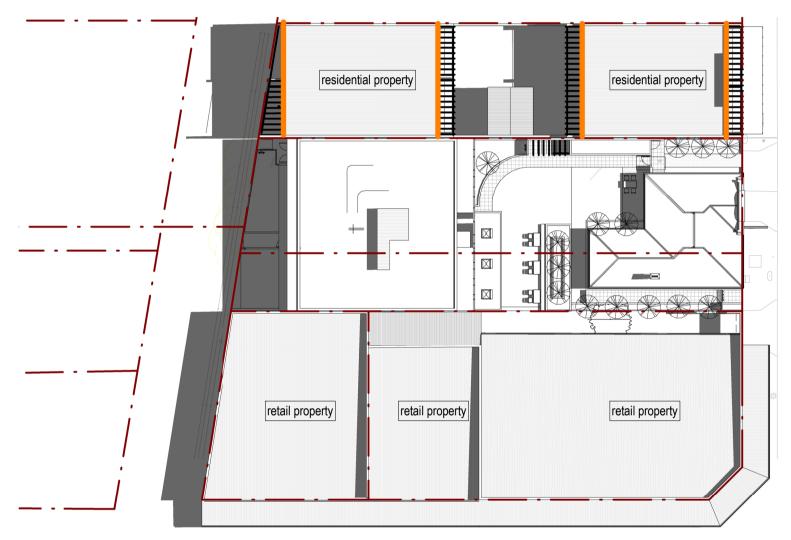


PLAN Summer Solstice 12 pm - existing 1010 / Scale: 1 : 400



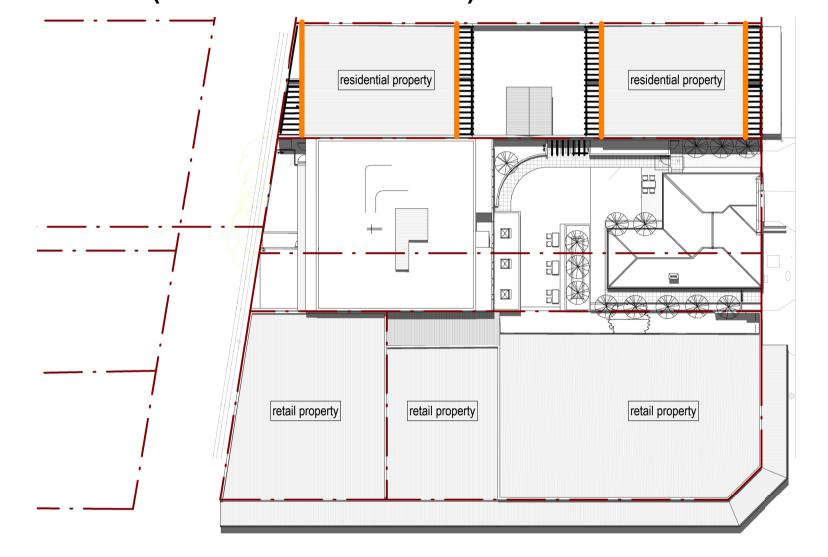
PLAN Summer Solstice 15 pm - existing 1010 / Scale: 1 : 400

PROPOSED DEVELOPMENT - SUMMER SOLSTICE (21 DECEMBER)





5 PLAN Summer Solstice 9 am - future

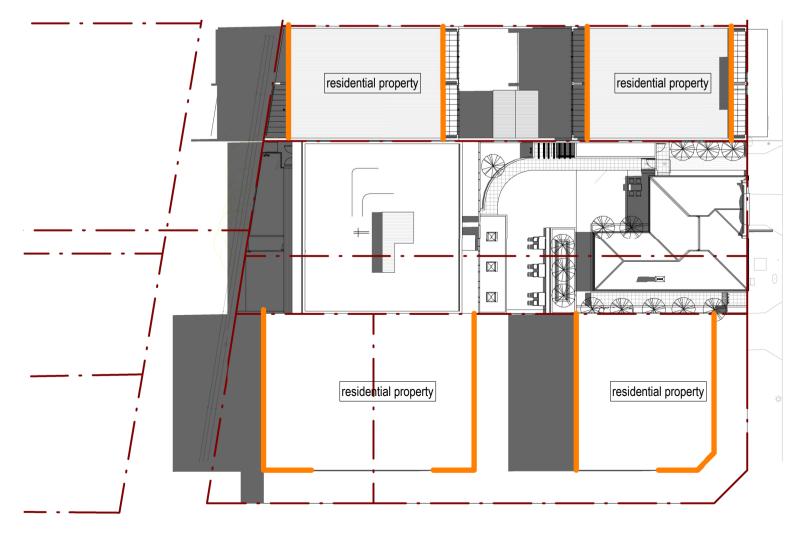


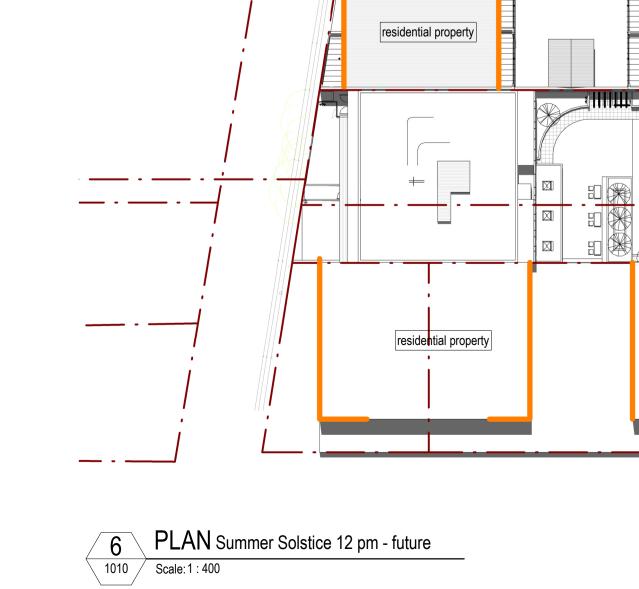
residential property

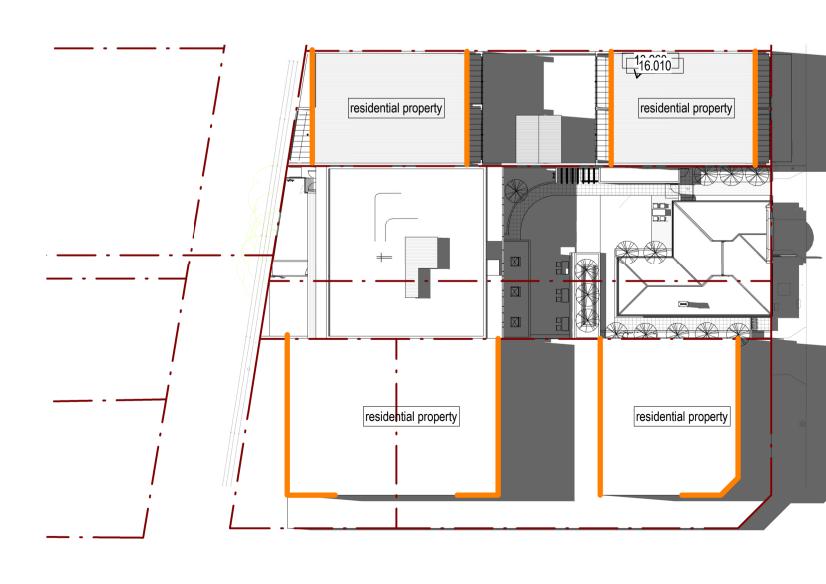
residential property

PLAN Summer Solstice 12 pm - proposed

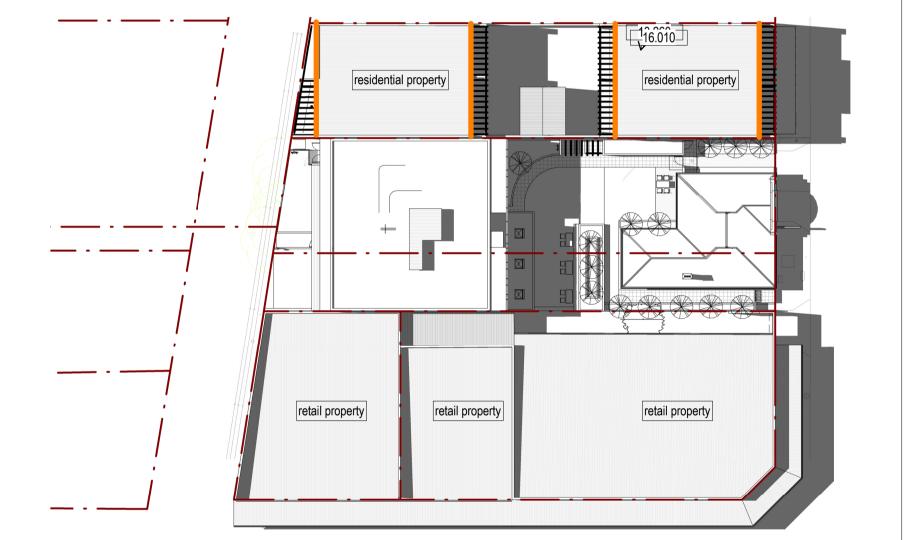
FUTURE CHARACTER - SUMMER SOLSTICE (21 DECEMBER)







4 PLAN Summer Solstice 15 pm - future



2 PLAN Summer Solstice 15 pm - proposed



SCALE @ A1 1:400

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• The orange lines indicates the widows of residential

that the future residential property will not be overshadowed by the proposed development.

The future character diagrams show a possible envelope configuration of the adjacent site to the South. It is clear

11.12.19

13.01.19

19.06.20

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Issue for Consultant Coordination

9 ADDITIONAL

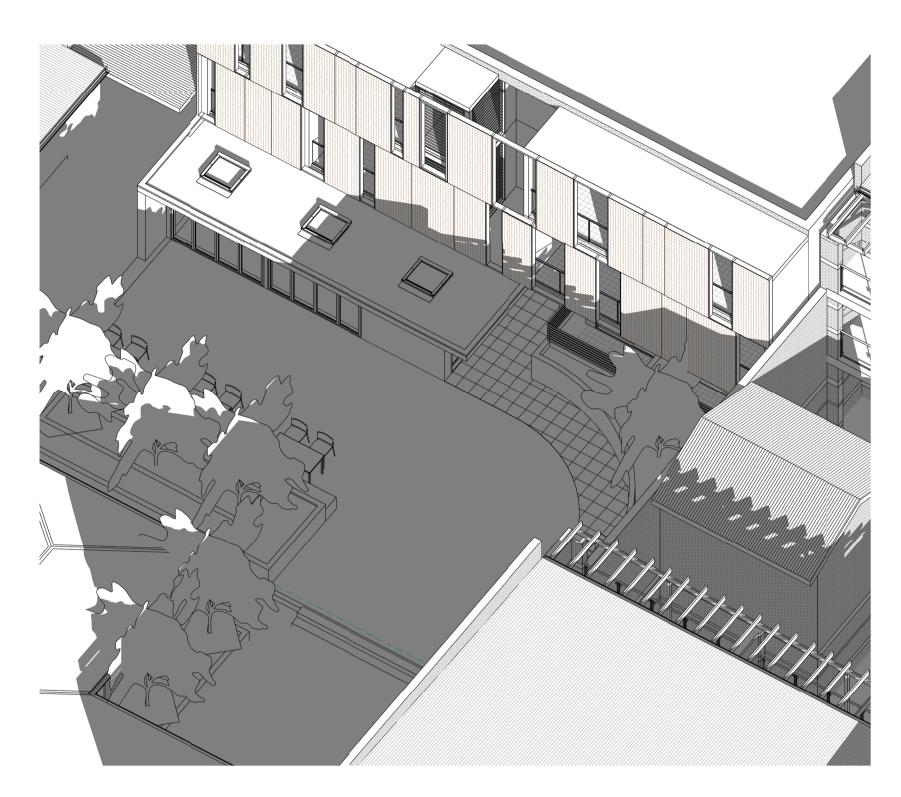
INFORMATION SUBMISSION 10 ADDTIONAL

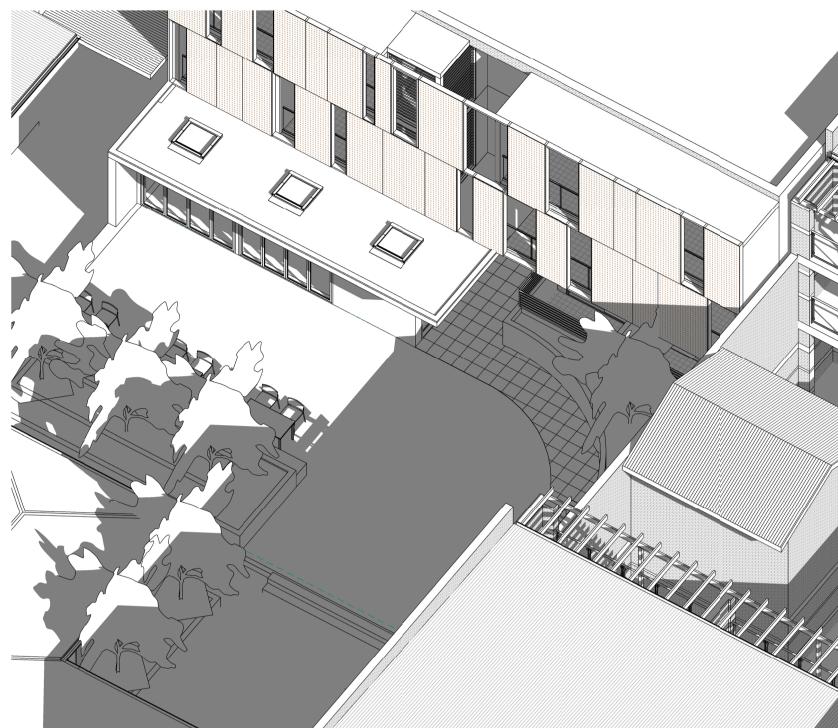
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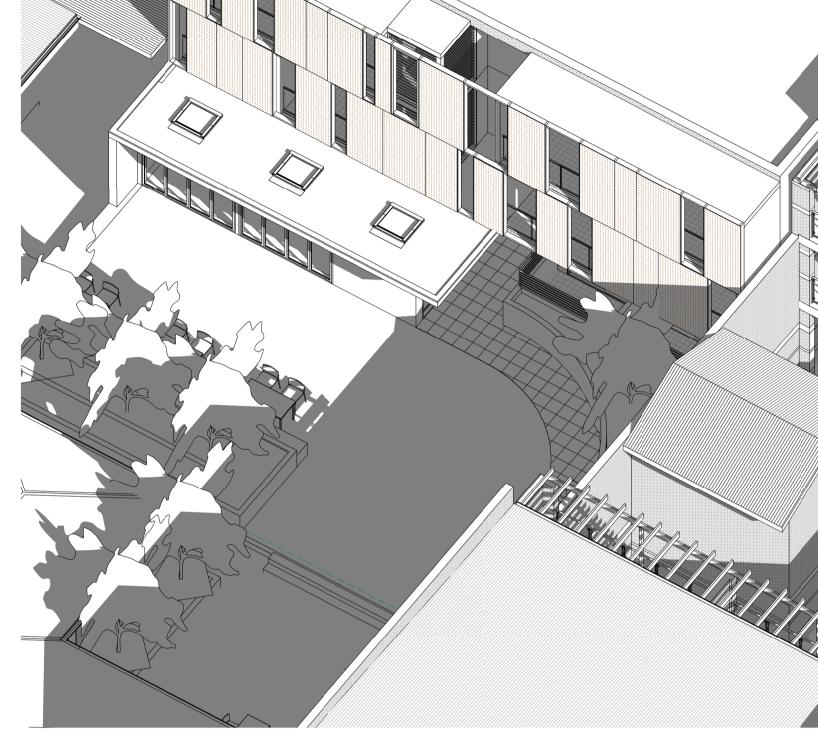
neighbouring properties.

8 Final Draft for Consulant

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2 SECTION 3D - Solar Study - Common Area - 10am

SECTION 3D - Solar Study - Common Area - 11am

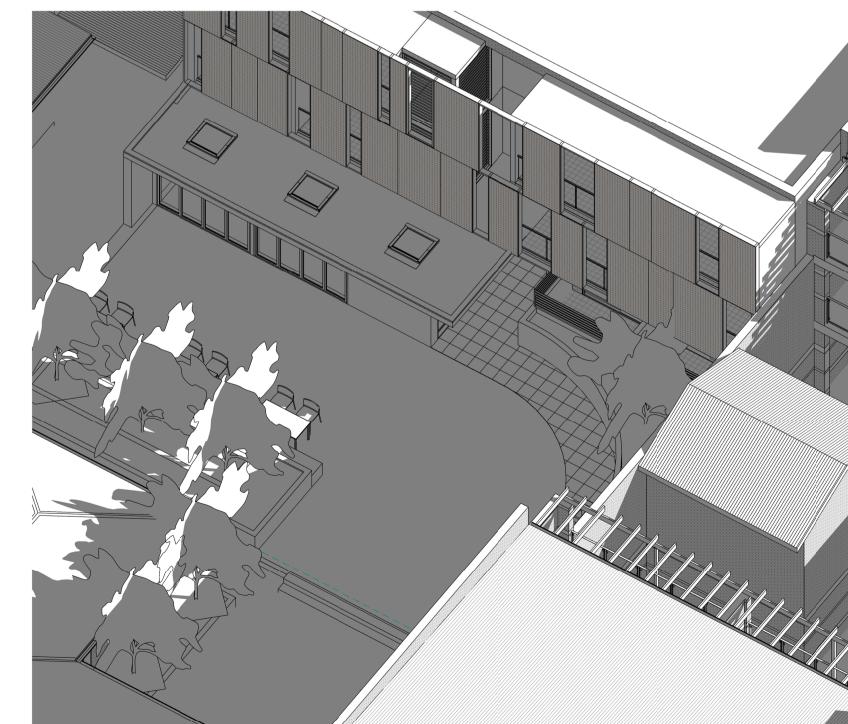




SECTION 3D - Solar Study - Common Area - 9am



5 SECTION 3D - Solar Study - Common Area - 1pm



SECTION 3D - Solar Study - Common Area - 2pm

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DESCRIPTION

5 Issue for Consultant

6 Final Draft for Consulant

Coordination

7 ADDITIONAL INFORMATION SUBMISSION

8 ADDTIONAL INFORMATION SUBMISSION

AMENDMENTS

AUTH CHK DATE

04.12.19

11.12.19

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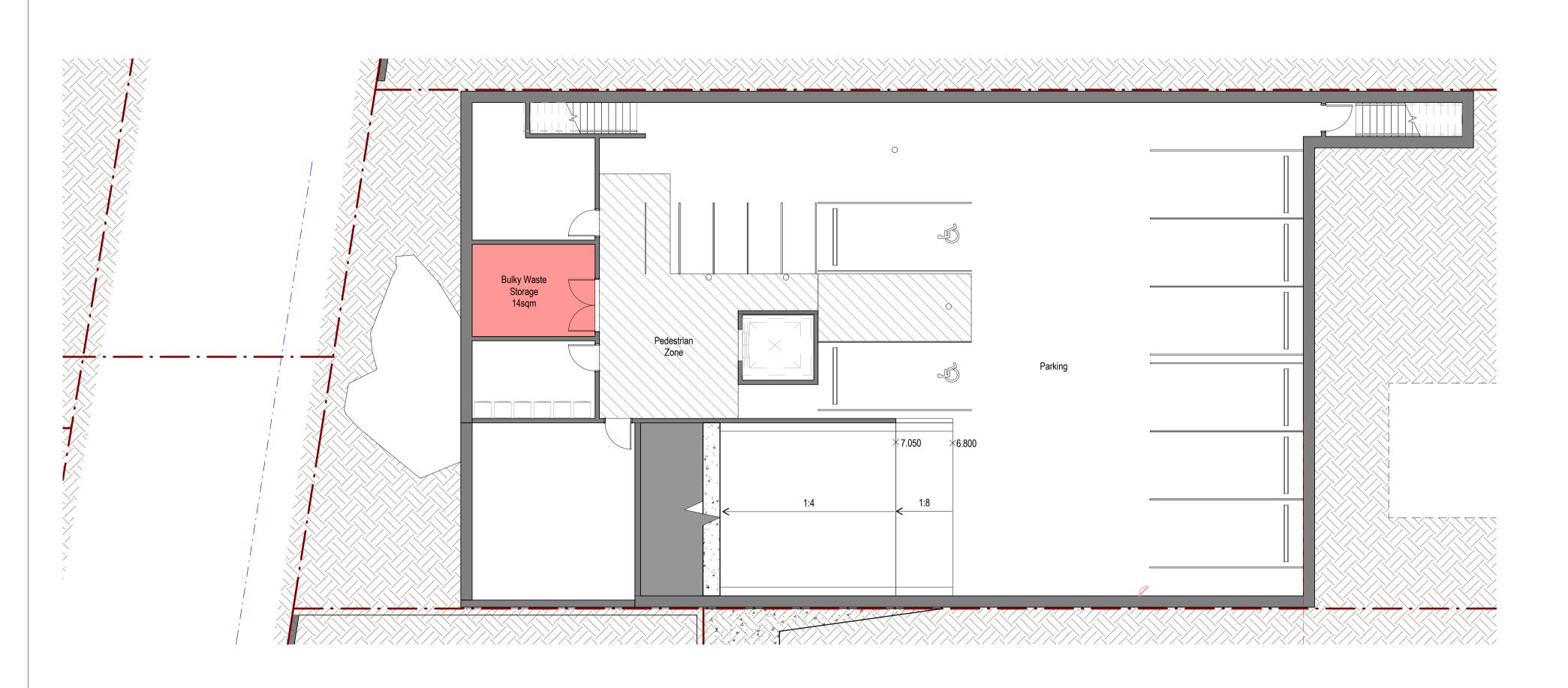
Fire Station Boarding House

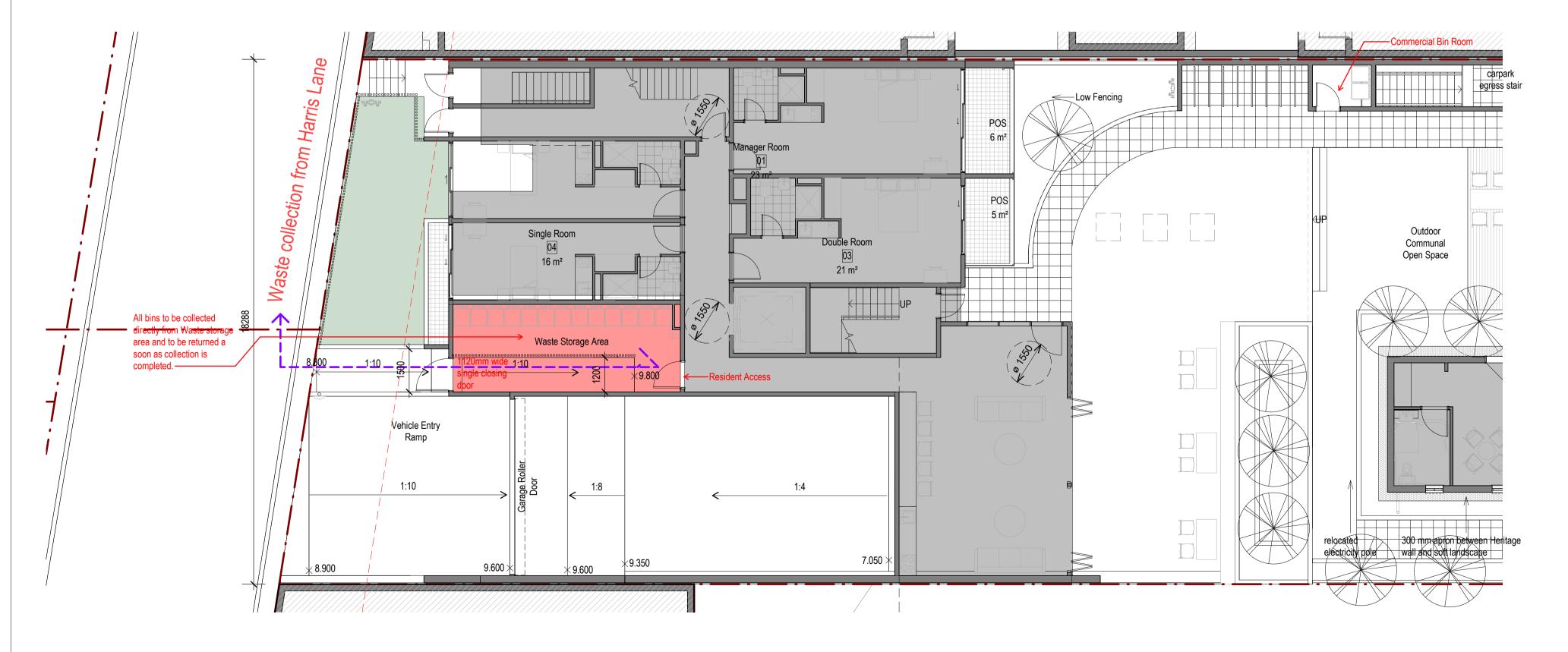
3 William Street, Fairfield, 2165 NSW

DRAWING TITLE

SHADOW DIAGRAMS WINTER SOLSTICE -COMMON AREA

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DRAWN		CHECKED		7
Author		Checker		1.2
FIRST ISSUE 04/09/19		SCALE @ A1		0 3:4
PROJECT No	STAGE	DRAWING No	REVISION	202
17411	DA	AR-1302	8	17/07/





General Notes:

- Waste collection to be carried out directly from Waste Storage Area and bins to be returned to Waste storage area as soon as collection is completed
- The Waste Storage Area (WSA) will be constructed in accordance with the relevant provisions of the Building Code of Australia
- Appropriate bin washing facilities will be provided within the Waste Storage Area inclusive of hose cocks for hot and cold water and the floor will be graded and drained to a 100mm diameter floor waste.
- The walls and floors of the Waste Storage Area is to be constructed of smooth facedmasonry or concrete, ans all walls will be painted with light coloured washable paint
- The junction between all floors and walls will be coved and sealed up to 100mm above the floor level, in order to eliminate the build-up of dirt and grime
- The WSA will be washed and cleaned on a regular basis
- All mobile bins will be washed and cleaned on a regular
- All electrical equipment, including the provision of lighting, will be installed in accordance with the relevant Australian Standards
- All natural and mechanical ventilation will be installed within all waste storage facilities in accordance with the relative provisions of the provisions of AS 1668 – The Use of Mechanical Ventilation and Air-Conditioning in Buildings
- The WSA will be appropriately fitted with openings that are durable, self-closing and capable of being opened from both inside and outside of the storage area
- The WSA will have doors wide enough to provide access to all bins provided for servicing
- The WSA will be suitably enclosed, covered, bunded, drained and maintained to prevent any polluted water or run-off from entering the stormwater system
- All plumbing and drainage installed within the WSA is to be installed in accordance with all relevant requirements of Sydney Water
- Appropriate signage will be displayed clearly identifying waste and recycling bins and the WSA
- Appropriate signage will be erected within the WSA, providing instruction on how to use waste and recycling facilities, including what is and what is not recyclable
- The Owners Corporation will be responsible for ensuring that all waste and recyclable matter and materials are placed and stored within the appropriate containers provided

LEGEND:



WASTE STORAGE AREA / BULKY GOODS STORAGE

--- BIN COLLECTION PATH

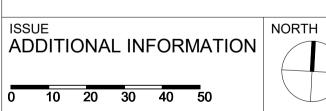
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4	Issue for Consultant Coordination	ТВ		04.12.19
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DRAWING TITLE

Waste Management Diagrams

				M
DRAWN		CHECKED		49
Author		Checker		
FIRST ISSUE 04/11/19		SCALE @ A1 1:100		20 3:4
PROJECT No	STAGE	DRAWING No	REVISION	/202
17411	DA	AR-1303	7	7/0/2



3D VIEW VIEW OF THE WEST FACADE FROM THE REAR LANE

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REV	DESCRIPTION	AUTH	CHK	DATE
6	Issue for Consultant Coordination	ТВ		14.11.19
7	Issue for Consultant Coordination	ТВ		04.12.19
8	ADDITIONAL INFORMATION SUBMISSION	YP		13.01.19
9	ADDTIONAL INFORMATION SUBMISSION	ТВ		19.06.20
		•		

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DRAWING TITLE 3D VIEW

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DRAWN		CHECKED		
MC		PO		3:41:50
FIRST ISSUE 07/27/17		SCALE @ A1 1:1		
PROJECT No	STAGE	DRAWING No	REVISION	/202
17411	DA	AR-1400	9	7/07/2020



3D VIEW VIEW OF THE COURTYARD AND THE BOARDING HOUSE EAST FACADE

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DRAWING TITLE 3D VIEW

				2
DRAWN		CHECKED		7
Author		Checker		3
FIRST ISSUE 08/01/18		SCALE @ A1 1:1		
PROJECT No	STAGE	DRAWING No	REVISION	Š
17411	DA	AR-1401	7	1/01

