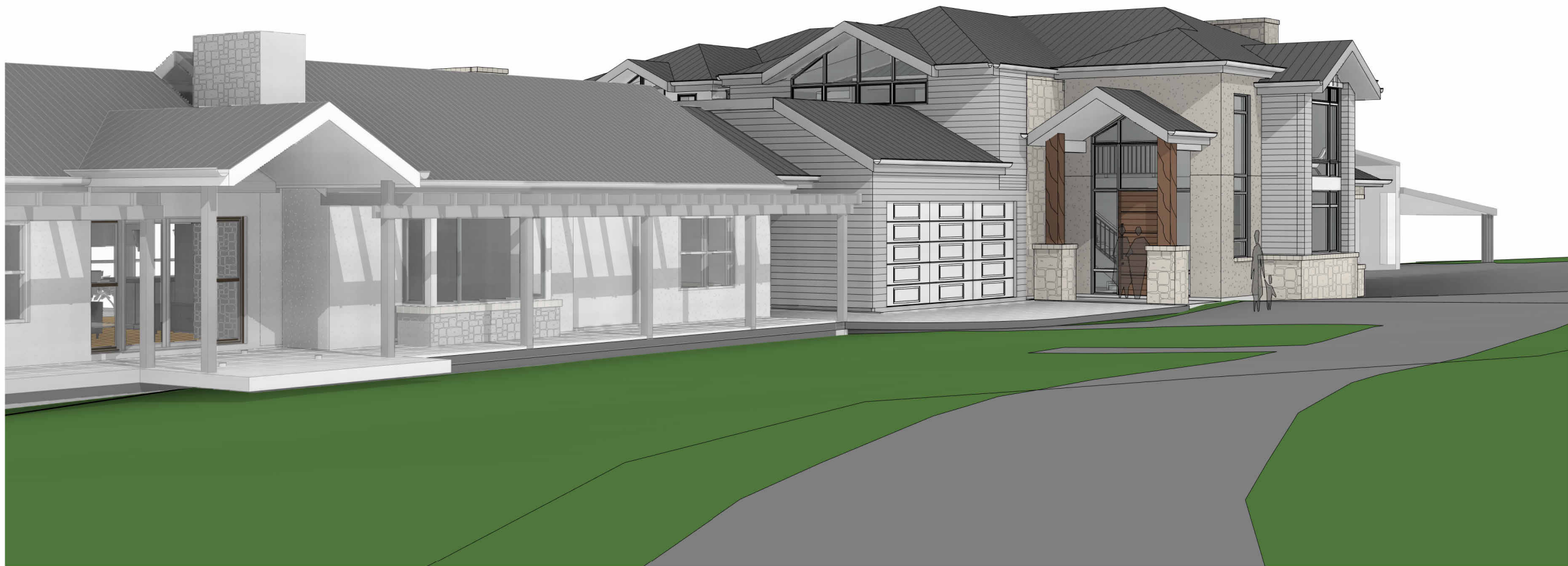


# DEVELOPMENT APPLICATION

## ALTERATIONS AND ADDITIONS

### 323 McCARRS CREEK ROAD, TERRY HILLS

SHEET LIST		
SHEET NUMBER	SHEET NAME	Current Revision
A020	NOTES & SCHEDULES	E
A021	BASIC COMMITMENTS	E
A022	APPROVAL KEY PLAN	E
A030	LOT PLAN	E
A050	SITE PLAN & SITE ANALYSIS	E
A051	SHADOW STUDY	E
A052	AREA PLANS	E
A053	GROSS FLOOR AREA	E
A150	FLOOR PLAN_GF	E
A151	FLOOR PLAN_FF	E
A450	NEW EXTERIOR ELEVATIONS	E
A500	GENERAL SECTIONS	E
A800	DOORS & WINDOWS SCHEDULE	E
A901	PERSPECTIVES	E



REFER TO APPROVED DA2021/2228  
MODIFIED CC2023/0875

BUSHFIRE ATTACK LEVEL (BAL-FZ)

AS3959-2018 CONSTRUCTION OF BUILDINGS IN BUSHFIRE PRONE AREAS IS TO APPLY TO THIS DEVELOPMENT







This certificate confirms that the proposed development will meet the NSW government's requirements for sustainability, if it is built in accordance with the commitments set out below. Terms used in this certificate, or in the commitments, have the meaning given by the document entitled "BASIX Definitions" dated 10/09/2002 published by the Department. This document is available at [www.basix.nsw.gov.au](http://www.basix.nsw.gov.au)

Secretary  
Date of issue: Tuesday, 22 October 2024  
To be valid, this certificate must be lodged within 3 months of the date of issue.



Pool and Spa	Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
<b>Rainwater tank</b>			
The applicant must install a rainwater tank of at least 1208.6 litres on the site. This rainwater tank must meet, and be installed in accordance with, the requirements of all applicable regulatory authorities.	✓	✓	✓
The applicant must configure the rainwater tank to collect rainwater runoff from at least 800.4 square metres of roof area.		✓	✓
The applicant must connect the rainwater tank to a tap located within 10 metres of the edge of the pool.		✓	✓
<b>Outdoor swimming pool</b>			
The swimming pool must be outdoors.	✓	✓	✓
The swimming pool must not have a capacity greater than 57.57 kilolitres.	✓	✓	✓
The swimming pool must have a pool cover.		✓	✓
The applicant must install a pool pump timer for the swimming pool.		✓	✓
The applicant must install the following heating system for the swimming pool that is part of this development: electric heat pump.		✓	✓

Fixtures and systems	Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
<b>Hot water</b>			
The applicant must install the following hot water system in the development: electric storage plus photovoltaic system.	✓	✓	✓
The applicant must install a photovoltaic system with a capacity to generate at least 0.8 peak kilowatts of electricity as part of the development. The applicant must connect this system to the development's electrical system.	✓	✓	✓
<b>Lighting</b>			
The applicant must ensure a minimum of 40% of new or altered light fixtures are fitted with fluorescent, compact fluorescent, or light-emitting-diode (LED) lamps.		✓	✓
<b>Fixtures</b>			
The applicant must ensure new or altered showerheads have a flow rate no greater than 9 litres per minute or a 3 star water rating.		✓	✓
The applicant must ensure new or altered toilets have a flow rate no greater than 4 litres per average flush or a minimum 3 star water rating.		✓	✓
The applicant must ensure new or altered taps have a flow rate no greater than 9 litres per minute or minimum 3 star water rating.		✓	

Construction	Show on DA Plans	Show on CC/CDC Plans & Specs	Certifier Check																														
<b>Insulation requirements</b>																																	
The applicant must construct the new or altered construction (floor(s), walls, and ceiling(s)) in accordance with the specifications listed in the table below, except that a) additional insulation is not required where the area of new construction is less than 2m <sup>2</sup> , b) insulation specified is not required for parts of altered construction where insulation already exists.																																	
	✓	✓	✓																														
<table><tr><th>Construction</th><th>Additional insulation required (R-value)</th><th>Other specifications</th></tr><tr><td>concrete slab on ground floor</td><td>nil</td><td>N/A</td></tr><tr><td>suspended floor with enclosed subfloor: framed (90.7)</td><td>R0.60 (down) (or R1.30 including construction)</td><td>N/A</td></tr><tr><td>floor above existing dwelling or building</td><td>nil</td><td>N/A</td></tr><tr><td>external wall: brick veneer</td><td>R1.16 (or R1.70 including construction)</td><td></td></tr><tr><td>external wall: framed (weatherboard, fibre, metal clad)</td><td>R1.30 (or R1.70 including construction)</td><td></td></tr><tr><td>internal wall shared with garage: plasterboard (90.38)</td><td>nil</td><td></td></tr><tr><td>flat ceiling, pitched roof</td><td>ceiling: R1.45 (up); roof: foil backed blanket (75 mm)</td><td>medium (solar absorptance 0.475 - 0.70)</td></tr><tr><td>rained ceiling, pitched/skillion roof: framed</td><td>ceiling: R1.75 (up); roof: foil backed blanket (75 mm)</td><td>medium (solar absorptance 0.475 - 0.70)</td></tr><tr><td>flat ceiling, flat roof: framed</td><td>ceiling: R1.58 (up); roof: foil backed blanket (75 mm)</td><td>medium (solar absorptance 0.475 - 0.70)</td></tr></table>	Construction	Additional insulation required (R-value)	Other specifications	concrete slab on ground floor	nil	N/A	suspended floor with enclosed subfloor: framed (90.7)	R0.60 (down) (or R1.30 including construction)	N/A	floor above existing dwelling or building	nil	N/A	external wall: brick veneer	R1.16 (or R1.70 including construction)		external wall: framed (weatherboard, fibre, metal clad)	R1.30 (or R1.70 including construction)		internal wall shared with garage: plasterboard (90.38)	nil		flat ceiling, pitched roof	ceiling: R1.45 (up); roof: foil backed blanket (75 mm)	medium (solar absorptance 0.475 - 0.70)	rained ceiling, pitched/skillion roof: framed	ceiling: R1.75 (up); roof: foil backed blanket (75 mm)	medium (solar absorptance 0.475 - 0.70)	flat ceiling, flat roof: framed	ceiling: R1.58 (up); roof: foil backed blanket (75 mm)	medium (solar absorptance 0.475 - 0.70)			
Construction	Additional insulation required (R-value)	Other specifications																															
concrete slab on ground floor	nil	N/A																															
suspended floor with enclosed subfloor: framed (90.7)	R0.60 (down) (or R1.30 including construction)	N/A																															
floor above existing dwelling or building	nil	N/A																															
external wall: brick veneer	R1.16 (or R1.70 including construction)																																
external wall: framed (weatherboard, fibre, metal clad)	R1.30 (or R1.70 including construction)																																
internal wall shared with garage: plasterboard (90.38)	nil																																
flat ceiling, pitched roof	ceiling: R1.45 (up); roof: foil backed blanket (75 mm)	medium (solar absorptance 0.475 - 0.70)																															
rained ceiling, pitched/skillion roof: framed	ceiling: R1.75 (up); roof: foil backed blanket (75 mm)	medium (solar absorptance 0.475 - 0.70)																															
flat ceiling, flat roof: framed	ceiling: R1.58 (up); roof: foil backed blanket (75 mm)	medium (solar absorptance 0.475 - 0.70)																															

Glazing requirements	Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
<b>Windows and glazed doors</b>			
The applicant must install the windows, glazed doors and shading devices, in accordance with the specifications listed in the table below. Relevant overshadowing specifications must be satisfied for each window and glazed door.	✓	✓	✓
The following requirements must also be satisfied in relation to each window and glazed door:		✓	✓
Each window or glazed door with improved frames, or pyrolytic low-e glass, or clearstar gas/tinted glazing, or low-eal gas/tinted glazing must have a U-value and a Solar Heat Gain Coefficient (SHGC) no greater than that listed in the table below. Total system U-values and SHGCs must be calculated in accordance with National Fenestration Rating Council (NFRC) conditions. The description is provided for information only. Alternative systems with complying U-value and SHGC may be substituted.		✓	✓
For projections described in millimetres, the leading edge of each eave, pergola, verandah, balcony or awning must be no more than 500 mm above the head of the window or glazed door and no more than 2400 mm above the sill.	✓	✓	✓
Pergolas with polycarbonate roof or similar translucent material must have a shading coefficient of less than 0.35.		✓	✓
Pergolas with fixed battens must have battens parallel to the window or glazed door above which they are situated, unless the pergola also shades a perpendicular window. The spacing between battens must not be more than 50 mm.		✓	✓

Glazing requirements							Show on DA Plans	Show on CC/CDC Plans & Specs	Certifier Check
Window/door number	Orientation	Area of glass including frame (m2)	Overshadowing height (m)	Overshadowing distance (m)	Shading device	Frame and glass type			
W6	S	0.9	0	0	none	improved aluminium, single clear (U-value: 6.44, SHGC: 0.75)			
W7	S	0.9	0	0	none	improved aluminium, single clear (U-value: 6.44, SHGC: 0.75)			
W8	W	0.9	0	0	eave/ verandah/ pergola/balcony ≥600 mm	improved aluminium; single pyrolytic low-e (U- value: 4.48, SHGC: 0.46)			
W9	S	2.1	0	0	none	improved aluminium, single clear (U-value: 6.44, SHGC: 0.75)			
W10	S	2.1	0	0	none	improved aluminium, single clear (U-value: 6.44, SHGC: 0.75)			

Glazing requirements							Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Windows and glazed doors glazing requirements									
Window/door number	Orientation	Area of glass including frame (m <sup>2</sup> )	Overshadowing height (m)	Overshadowing distance (m)	Shading device	Frame and glass type			
W11	S	2.1	0	0	none	improved aluminium, single clear (U-value: 6.44, SHGC: 0.75)			
W12	E	0.9	0	0	eave/ verandah/ pergola/balcony =>600 mm	improved aluminium, single pyrolytic low-e (U- value: 4.48, SHGC: 0.46)			
W13	S	1.89	0	0	none	improved aluminium, single clear (U-value: 6.44, SHGC: 0.75)			
W14	S	2.44	0	0	none	improved aluminium, single clear (U-value: 6.44, SHGC: 0.75)			
W15	E	1.89	0	0	eave/ verandah/ pergola/balcony =>600 mm	improved aluminium, single pyrolytic low-e (U- value: 4.48, SHGC: 0.46)			

Glazing requirements							Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Window/door number	Orientation	Area of glass including frame (m <sup>2</sup> )	Overshadowing height (m)	Overshadowing distance (m)	Shading device	Frame and glass type			
W16	E	3.72	0	0	eave/ verandah/ pergola/balcony ≥600 mm	improved aluminium single pyrolytic low-e (U- value 4.48 SHGC: 0.46)			
W17	E	3.3	0	0	eave/ verandah/ pergola/balcony ≥600 mm	improved aluminium single clear (U-value 6.44, SHGC: 0.75)			
W18	E	3.2	0	0	eave/ verandah/ pergola/balcony ≥450 mm	improved aluminium single pyrolytic low-e (U- value 4.48, SHGC: 0.46)			
W19	E	3.2	0	0	eave/ verandah/ pergola/balcony ≥450 mm	improved aluminium single pyrolytic low-e (U- value 4.48, SHGC: 0.46)			
W20	E	3.2	0	0	eave/ verandah/ pergola/balcony ≥450 mm	improved aluminium single pyrolytic low-e (U- value 4.48, SHGC: 0.46)			

Glazing requirements						Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Windows and glazed doors glazing requirements								
Window/door number	Orientation	Area of glass including frame (m <sup>2</sup> )	Overshadowing height (m)	Overshadowing distance (m)	Shading device	Frame and glass type		
W21	E	7.48	0	0	eave/ verandah/ pergola/balcony ≥750 mm	improved aluminium, single pyrolytic low-e (U- value: 4.48, SHGC: 0.46)		
D12	E	6.8	0	0	eave/ verandah/ pergola/balcony ≥900 mm	improved aluminium, single pyrolytic low-e (U- value: 4.48, SHGC: 0.46)		
W23	W	3.2	0	0	eave/ verandah/ pergola/balcony ≥900 mm	improved aluminium, single clear (U-value: 6.44, SHGC: 0.75)		
W24	W	1.96	0	0	eave/ verandah/ pergola/balcony ≥900 mm	improved aluminium, single pyrolytic low-e (U- value: 4.48, SHGC: 0.46)		
W25	W	1.96	0	0	eave/ verandah/ pergola/balcony ≥900 mm	improved aluminium, single pyrolytic low-e (U- value: 4.48, SHGC: 0.46)		



APPROVAL KEY:

EXISTING DWELLING

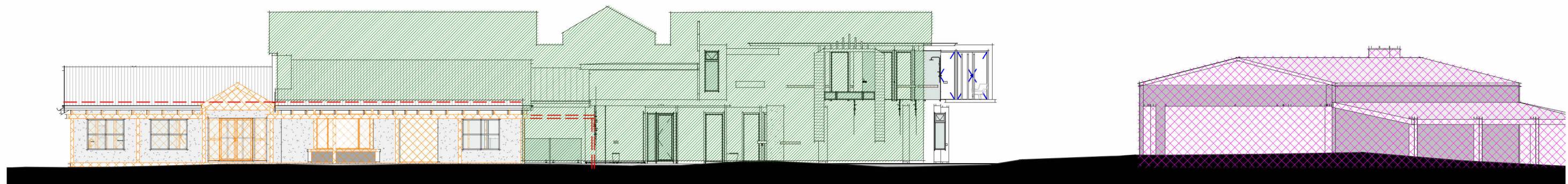
ELEMENTS APPROVAED - WILL NOT BE BUILT UNDER DA2021/2228

ELEMENTS APPROVED - YET TO BE BUILT UNDER DA2121/2228

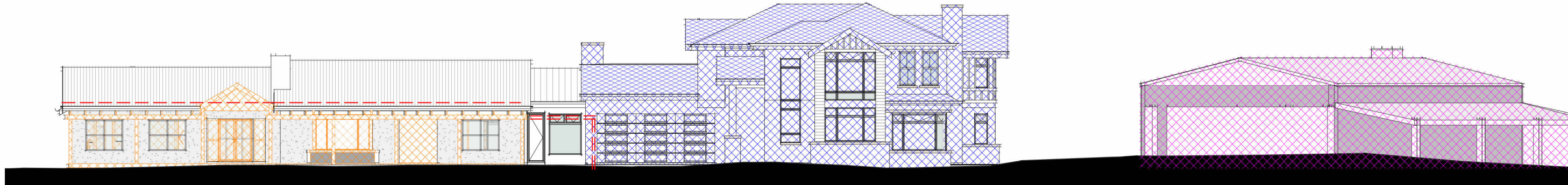
ELEMENTS BUILD - AS APPROVED UNDER DA2021/2228

PROPOSED NEW WORK UNDER THIS APPLICATION

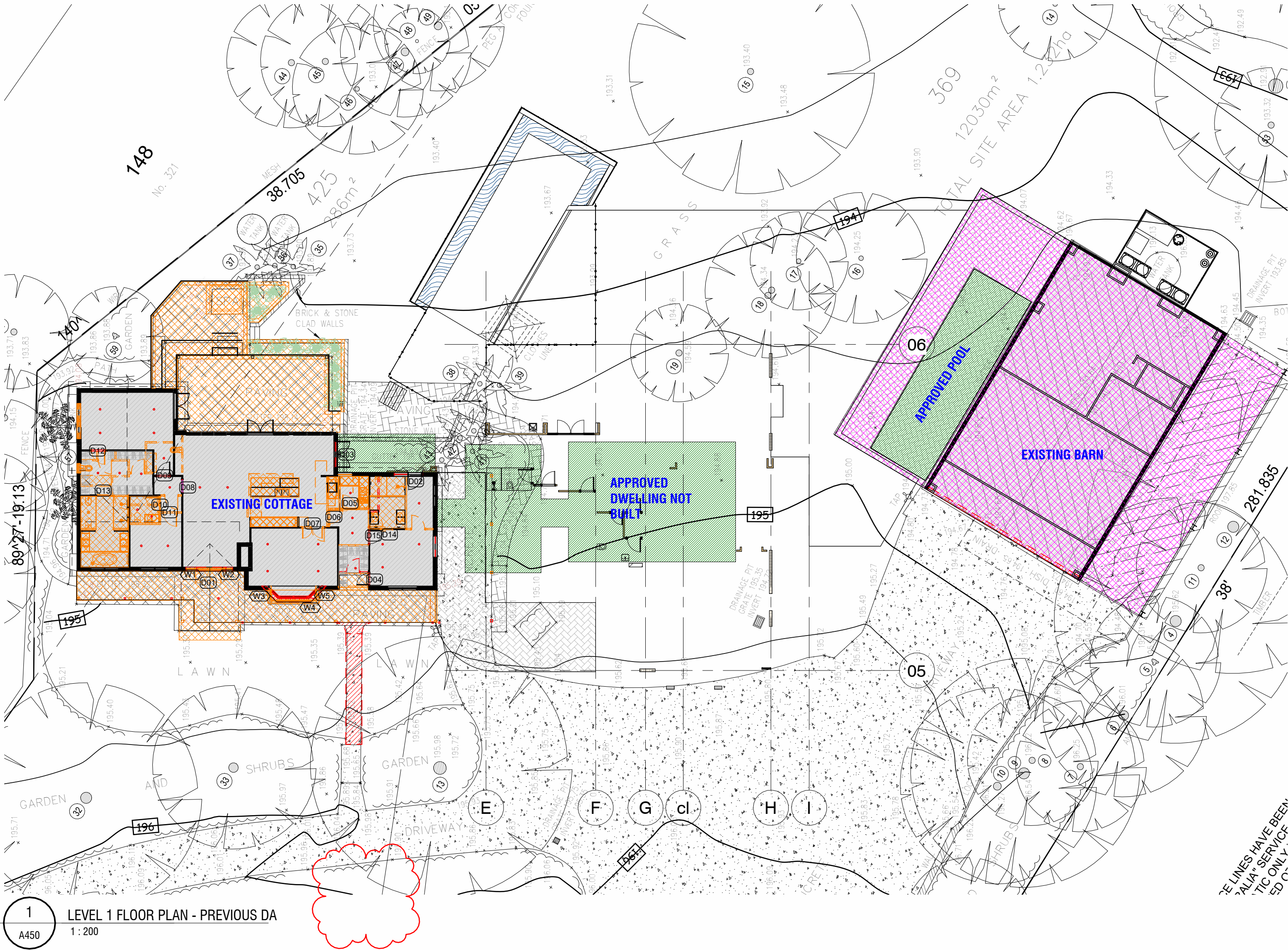
2 APPROVAL KEY PLAN  
1 : 100



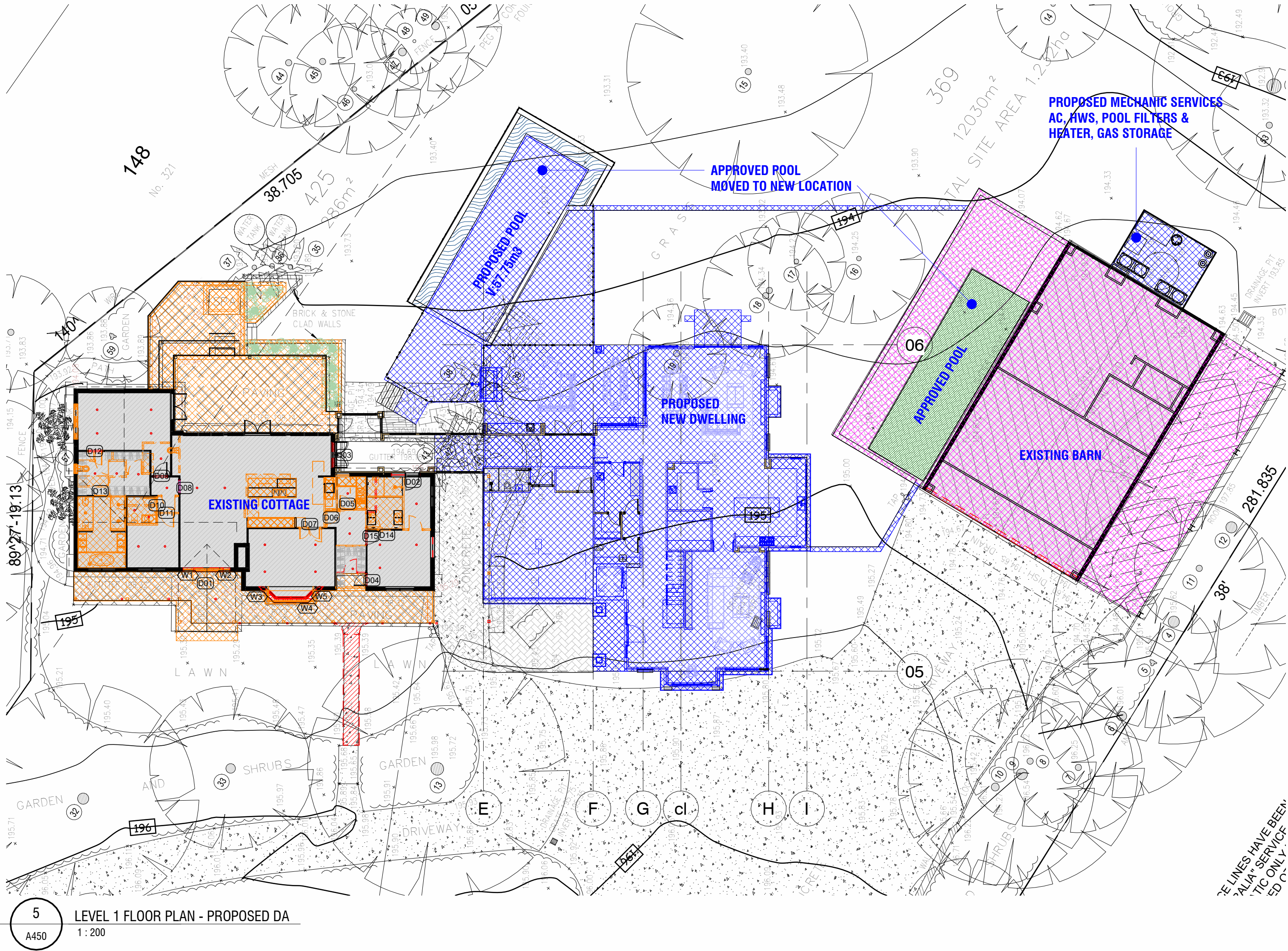
3 WEST ELEVATION - PREVIOUS DA  
1 : 200



4 WEST ELEVATION - PROPOSED DA  
1 : 200



1 LEVEL 1 FLOOR PLAN - PREVIOUS DA  
1 : 200



5 LEVEL 1 FLOOR PLAN - PROPOSED DA  
1 : 200





2 LOCATION PLAN  
1:50



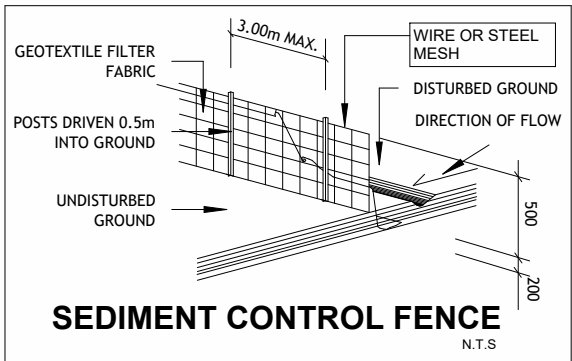
- EXISTING DRIVEWAY AND HARDSTAND RETAINED
- EXISTING COTTAGE
- TREES REMOVED AS APPROVED UNDER DA2021/2228
- PROPOSED NEW POOL - RELOCATED
- PROPOSED NEW TWO STOREY BUILDING
- PROPOSED TREES TO BE REMOVED
- EXISTING BARN
- PROPOSED SERVICES AREA

1 LOT PLAN  
1:500

DA LANDSCAPE OPEN SPACE COMPLIANCE TABLE (m2)		
	SITE AREA 12060m2	LANDSCAPE OPEN SPACE
CONTROL	6030 m2	Min 50% of site area
PROPOSED	10051m2	83.3%
COMPLIANCE		YES

3 LOT PLAN  
1:1000





AREA FOR RECYCLING AND BUILDERS RUBBISH AS PER LOCAL AUTHORITIES REQUIREMENTS

BUILDER'S ALL-WEATHER ACCESS TO PREVENT TRACKING OF SEDIMENT

PORTABLE TOILET

AREA FOR MATERIAL STORAGE AND DELIVERIES

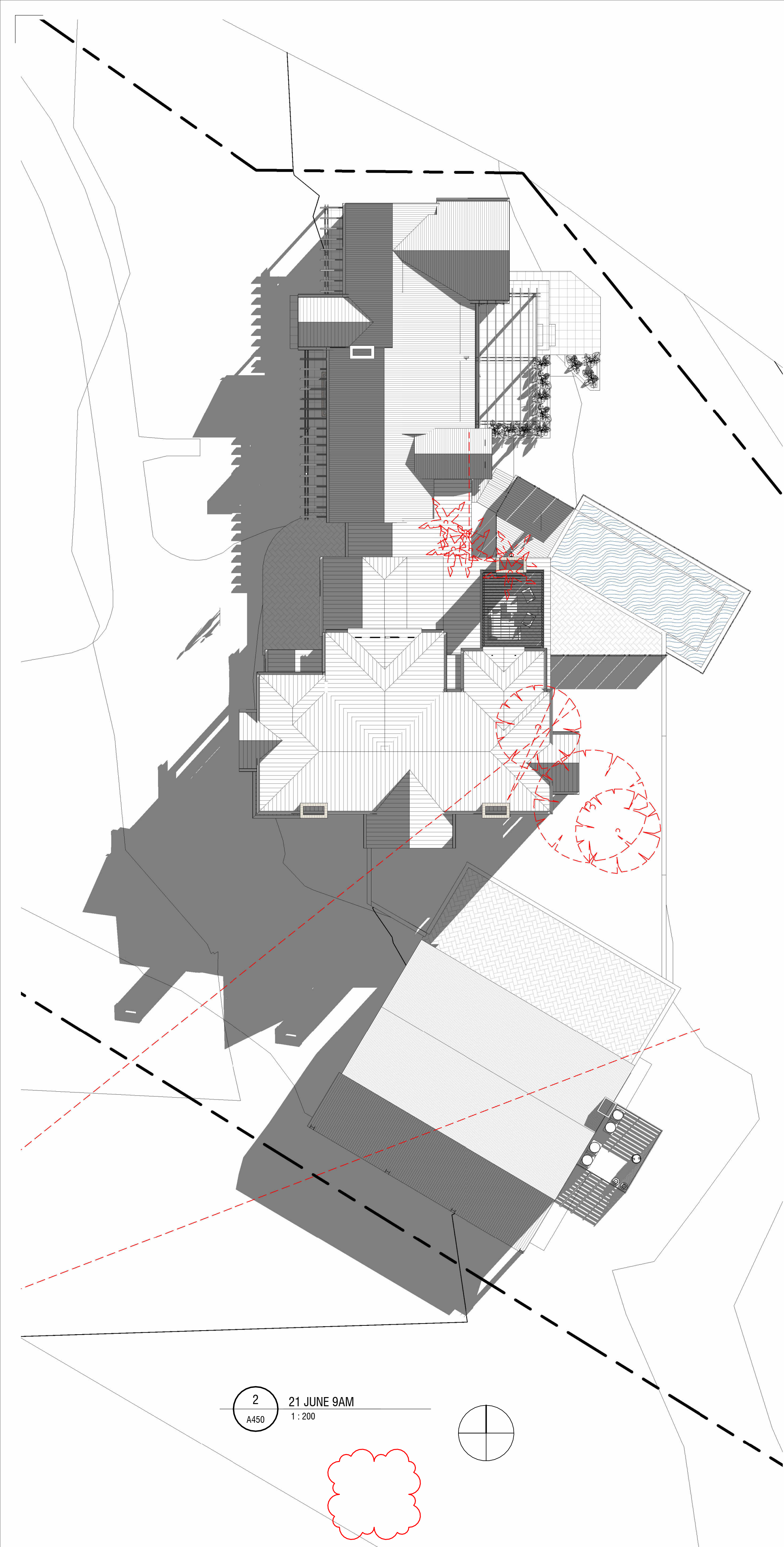
TEMPORARY CONSTRUCTION FENCE

SEDIMENT CONTROL FENCE

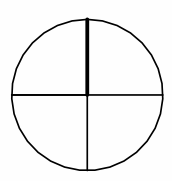
No	TREE TYPE	DIAMETER	HEIGHT	SPREAD	No	TREE TYPE	DIAMETER	HEIGHT	SPREAD	No	TREE TYPE	DIAMETER	HEIGHT	SPREAD
1	TREE	20.40	10	5	21	FERN	0.30	10	6	41	PALM	0.30	10	6
2	PALM	20.40	10	5	22	TREE	0.30	10	6	42	PALM	0.30	10	6
3	PALM	20.40	10	5	23	TREE	0.30	10	6	43	PALM	0.30	10	6
4	EUCALYPT	0.30	10	5	24	EUCALYPT	0.30	10	6	44	PALM	0.30	10	6
5	TREE	0.30	10	5	25	MELALEUCA	0.30	10	6	45	PALM	0.30	10	6
6	EUCALYPT	0.30	10	5	26	TREE	0.30	10	6	46	PALM	0.30	10	6
7	MELALEUCA	0.30	10	5	27	TREE	0.30	10	6	47	PALM	0.30	10	6
8	EUCALYPT	0.30	10	5	28	TREE	0.30	10	6	48	PALM	0.30	10	6
9	TREE	0.30	10	5	29	TREE	0.30	10	6	49	PALM	0.30	10	6
10	EUCALYPT	0.30	10	5	30	TREE	0.30	10	6	50	PALM	0.30	10	6
11	EUCALYPT	0.30	10	5	31	TREE	0.30	10	6	51	PALM	0.30	10	6
12	TREE	0.30	10	5	32	TREE	0.30	10	6	52	PALM	0.30	10	6
13	EUCALYPT	0.30	10	5	33	TREE	0.30	10	6	53	PALM	0.30	10	6
14	EUCALYPT	0.30	10	5	34	TREE	0.30	10	6	54	PALM	0.30	10	6
15	JACARANDA	0.30	10	5	35	TREE	0.30	10	6	55	PALM	0.30	10	6
16	TREE	0.30	10	5	36	TREE	0.30	10	6	56	PALM	0.30	10	6
17	TREE	0.30	10	5	37	TREE	0.30	10	6	57	PALM	0.30	10	6
18	TREE	0.30	10	5	38	TREE	0.30	10	6	58	PALM	0.30	10	6
19	TREE	0.30	10	5	39	TREE	0.30	10	6	59	PALM	0.30	10	6
20	TREE	0.30	10	5	40	TREE	0.30	10	6	60	PALM	0.30	10	6

1 SITE PLAN  
1:200





2 21 JUNE 9AM  
A450 1 : 200

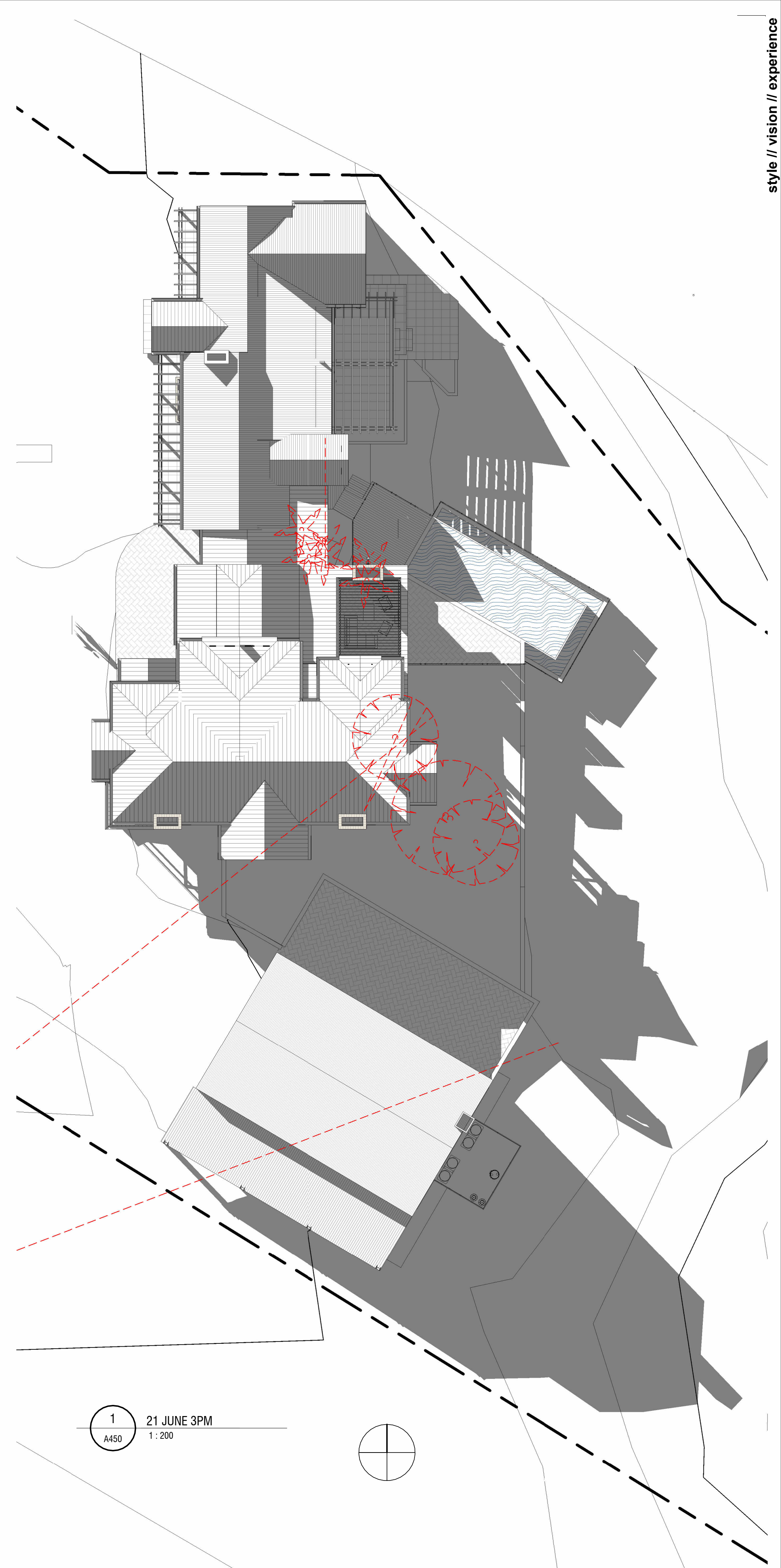


no.	description	date
E	ISSUE_E - Building Height & Council RFI	06.12.2024
D	ISSUE_D - Bath 2/3 reconfiguration	10.10.2024
C	ISSUE_C - Remove cooktop & oven and create wet-bar to service pool. Extend Gallery to main dwelling	04.09.2024

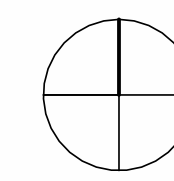
Client:  
PAUL & DENISE MCKENNA for  
SKUNCH PTY LTD ATF  
MCKENNA INVESTMENT  
TRUST

Project Title:  
LOT 369/425 IN DP 752017  
323 McCARRS CREEK RD,  
TERREY HILLS NSW

Drawing Title:  
SHADOW STUDY



1 21 JUNE 3PM  
A450 1 : 200



Drawing Status:  
DEVELOPMENT  
APPLICATION

The copyright of this design remains the property of ARCHIT. This design is not to be used, copied or reproduced without the authority of ARCHIT. Do not scale from this drawing. Confirm dimensions on site prior to commencing work. If a discrepancy arises seek direction prior to proceeding with the work. This drawing is only to be used for the stated Client in the stated Location for the purpose it was created. Do not use this drawing for construction unless designated.

Drawing Details:	
Scale:	1 : 200 @A1
Date:	26/03/2022
Project No:	A22_00167
Drawn:	Author
Checked:	Checker

A051

Revision:  
E

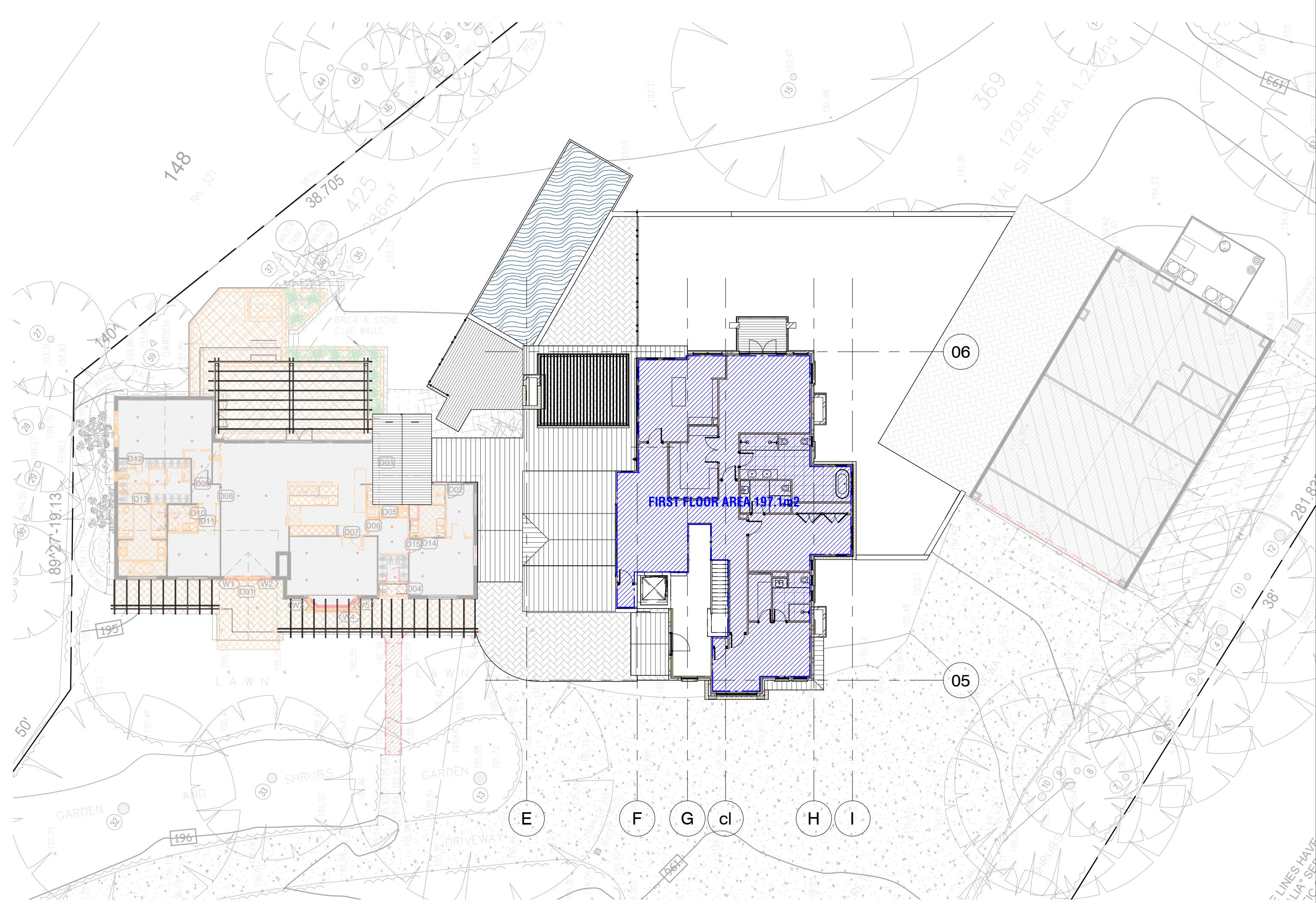
12/12/2024 6:11:00 PM



 GFA CALCULATED AREA

SITE AREA = 12030 m<sup>2</sup>

PROPOSED GROUND FLOOR = 240.50m<sup>2</sup>  
 PROPOSED FRIST FLOOR = 197.10m<sup>2</sup>  
 PROPOSED TOTAL = 437.60m<sup>2</sup>

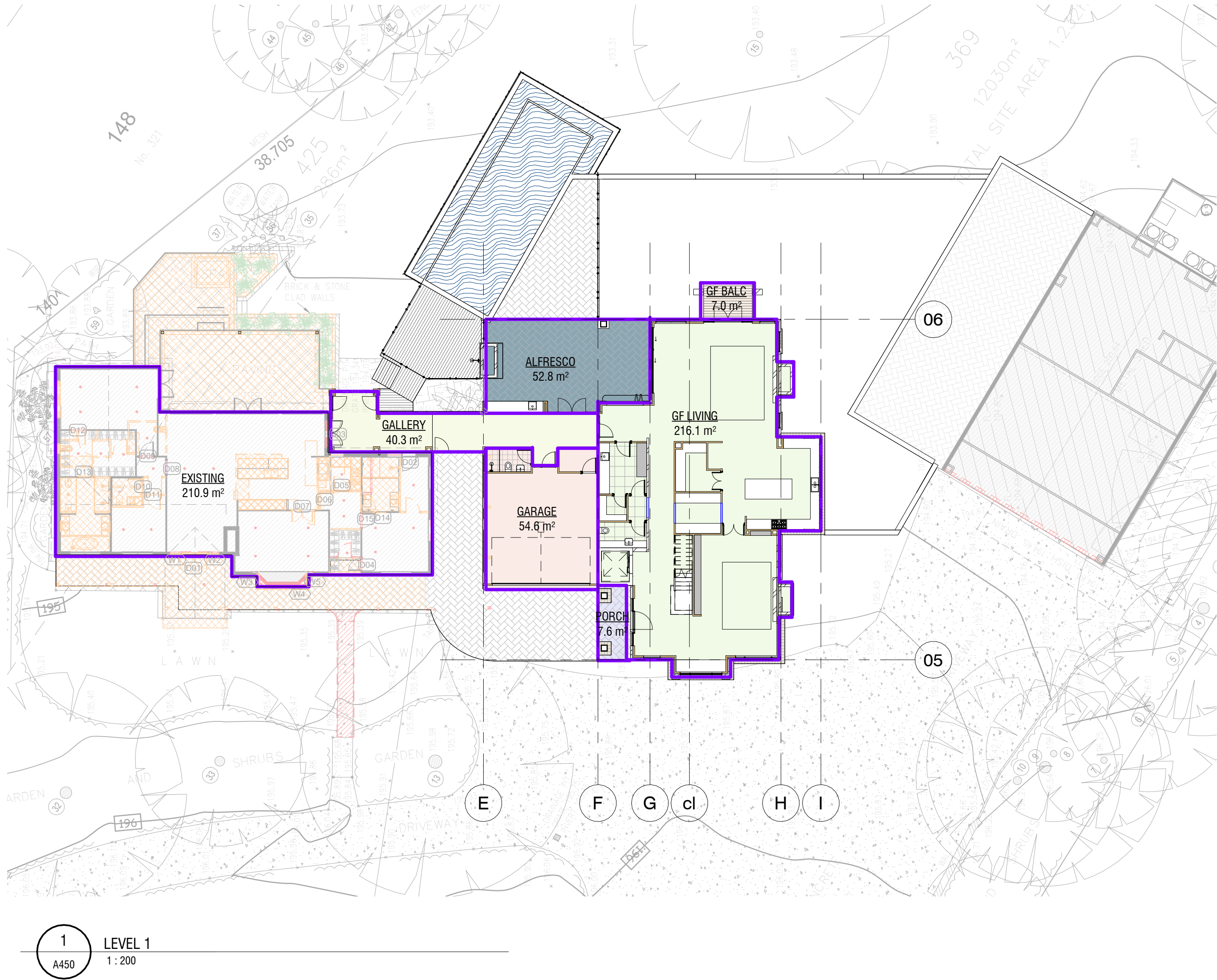


1 LEVEL 1 FLOOR PLAN - PROPOSED DA  
A450 1:200

2 LEVEL 2 FLOOR PLAN  
A450 1:200



Area Schedule (Gross Building)				
Level	Name	Area	Area Type	Comments
LEVEL 1	ALFRESCO	52.8 m²	Gross Building Area	
LEVEL 1	GARAGE	54.6 m²	Gross Building Area	
LEVEL 1	GF BALC	7.0 m²	Gross Building Area	
LEVEL 1	PORCH	7.6 m²	Gross Building Area	
LEVEL 2	FF BALC	6.3 m²	Gross Building Area	
: 5		128.3 m²		
LEVEL 1	GF LIVING	216.1 m²	Gross Building Area	BASIX
LEVEL 2	FF LIVING	204.8 m²	Gross Building Area	BASIX
LEVEL 1	GALLERY	40.3 m²	Gross Building Area	BASIX
BASIX: 3		461.3 m²		
LEVEL 1	EXISTING	210.9 m²	Gross Building Area	BASIX EX
BASIX EX: 1		210.9 m²		
		800.4 m²		

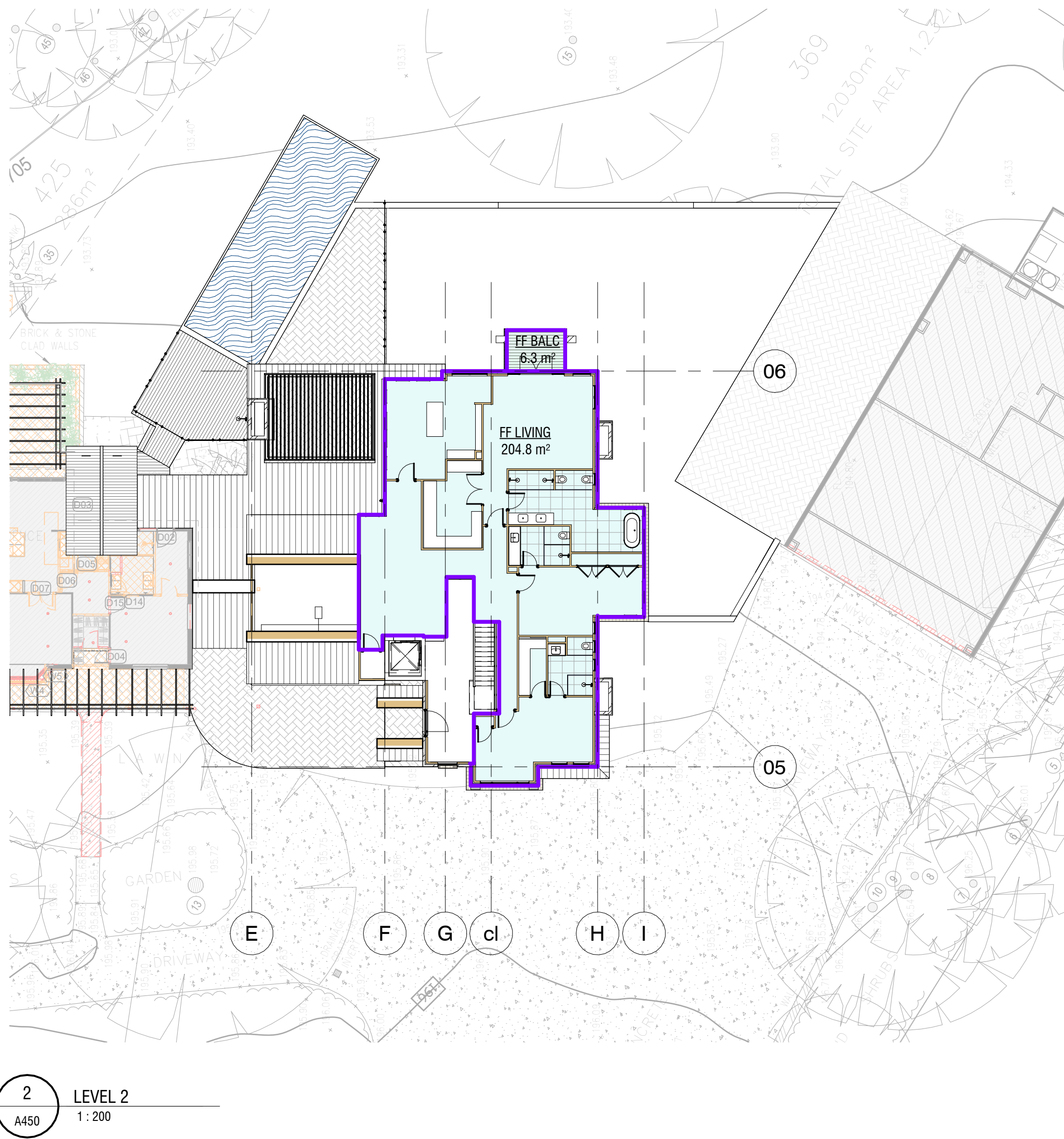


Building Area Legend

- ALFRESCO
- EXISTING
- GALLERY
- GARAGE
- GF BALC
- GF LIVING
- PORCH

Building Area Legend

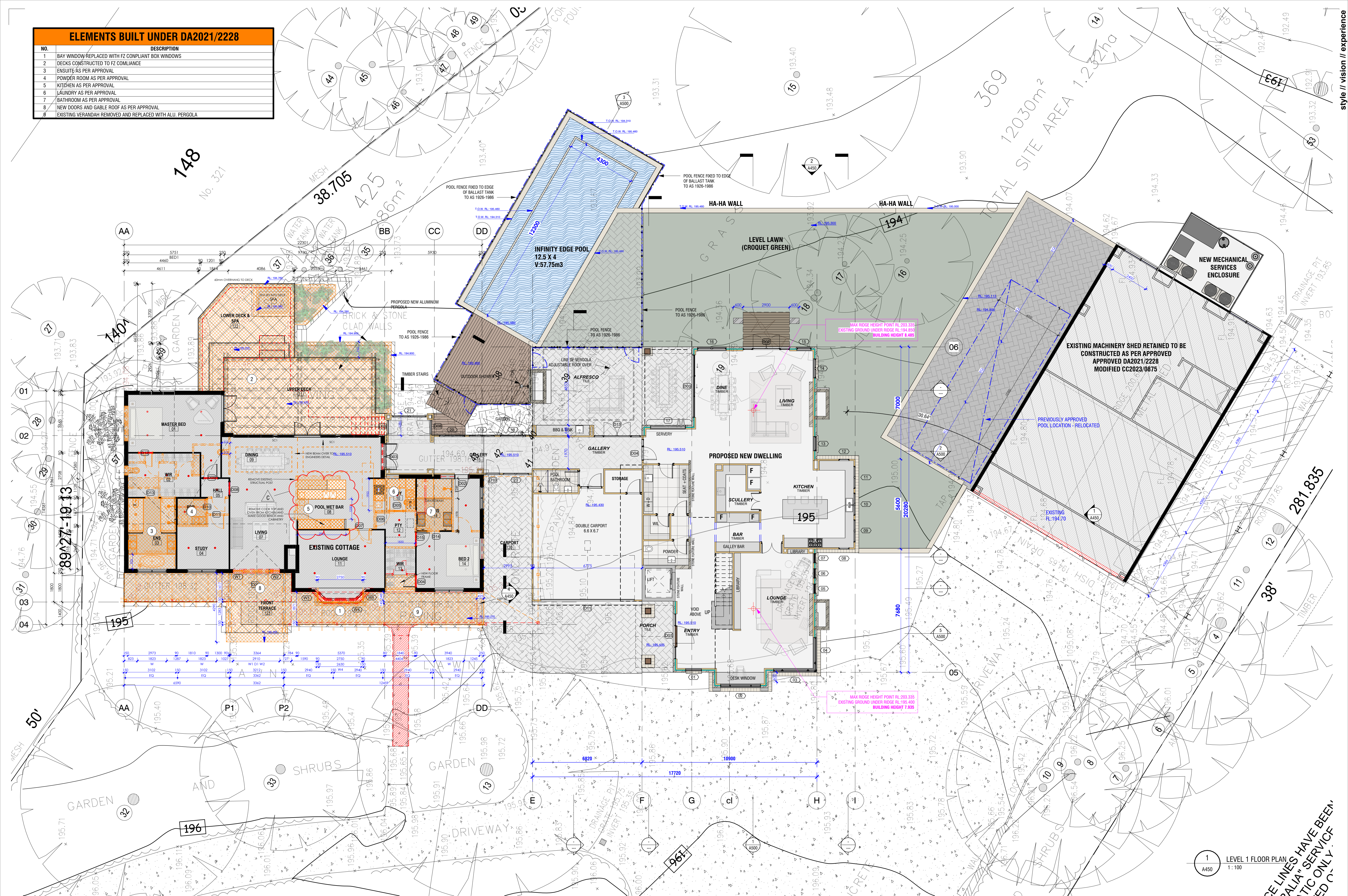
- FF BALC
- FF LIVING



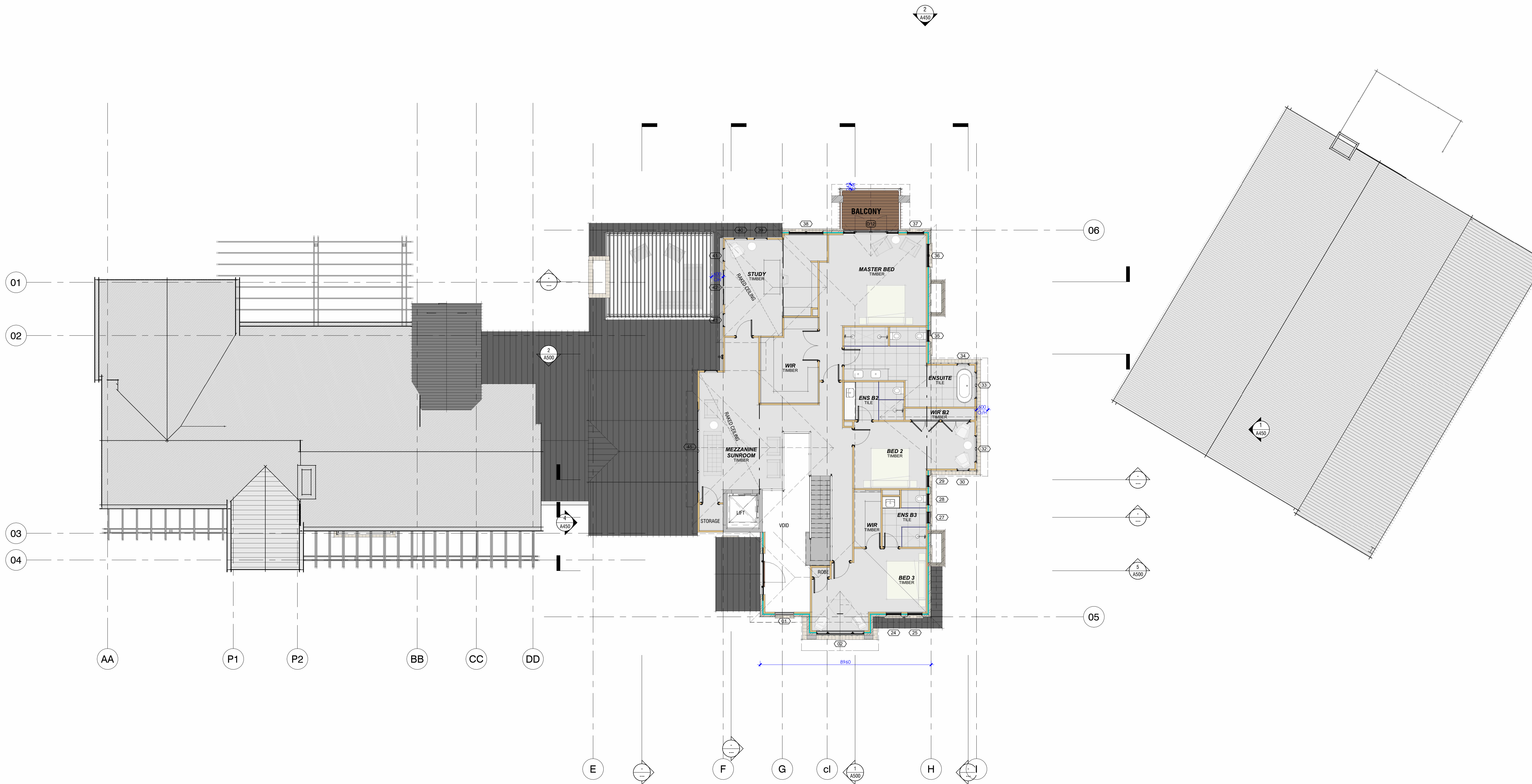
2 LEVEL 2  
A450 1:200



ELEMENTS BUILT UNDER DA2021/2228	
NO.	DESCRIPTION
1	BAY WINDOW REPLACED WITH FZ COMPLIANT BOX WINDOWS
2	DECKS CONSTRUCTED TO FZ COMPLIANCE
3	ENSUITE AS PER APPROVAL
4	POWDER ROOM AS PER APPROVAL
5	KITCHEN AS PER APPROVAL
6	LAUNDRY AS PER APPROVAL
7	BATHROOM AS PER APPROVAL
8	NEW DOORS AND GABLE ROOF AS PER APPROVAL
9	EXISTING VERANDAH REMOVED AND REPLACED WITH ALU. PERGOLA

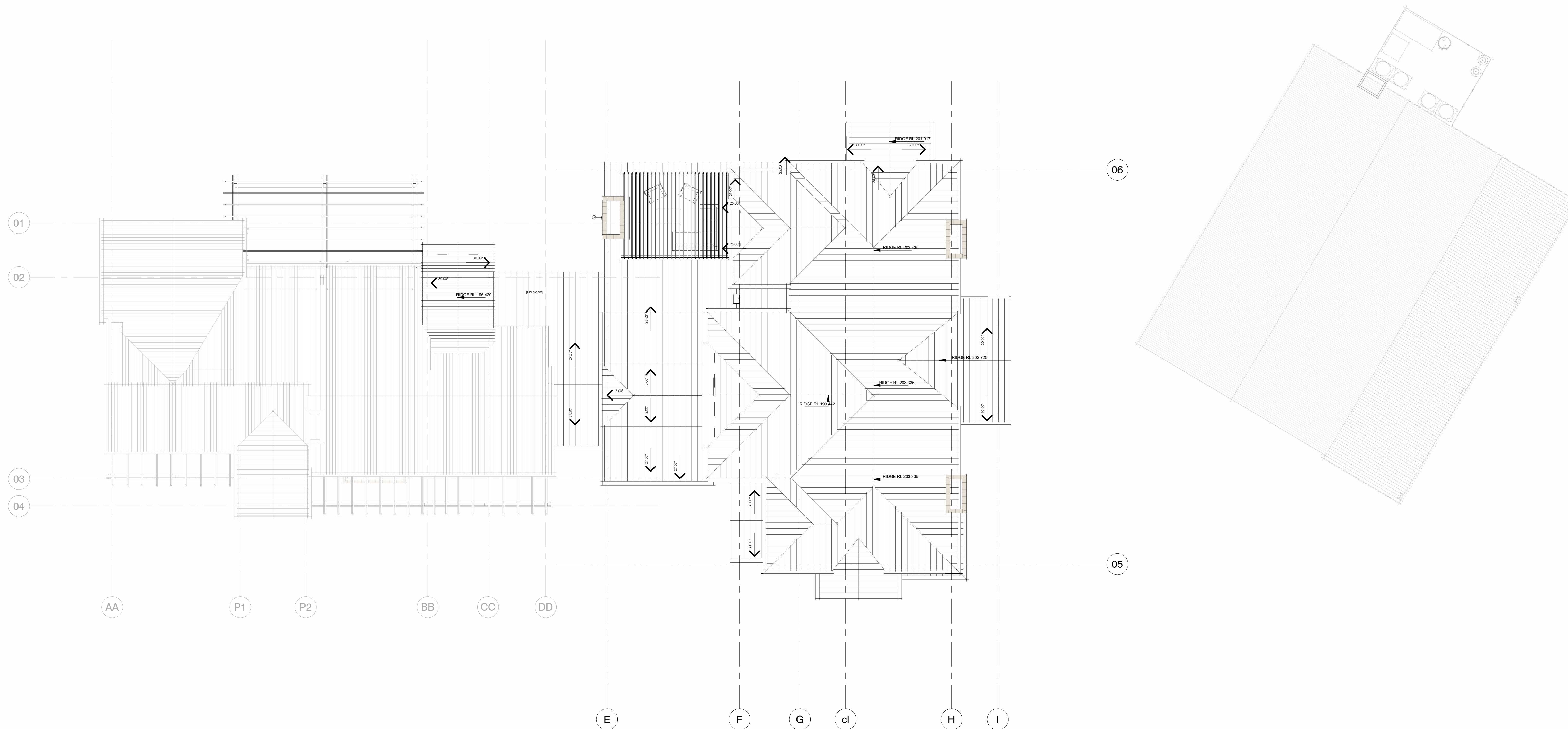






1 LEVEL 2 FLOOR PLAN  
A450 1 : 100



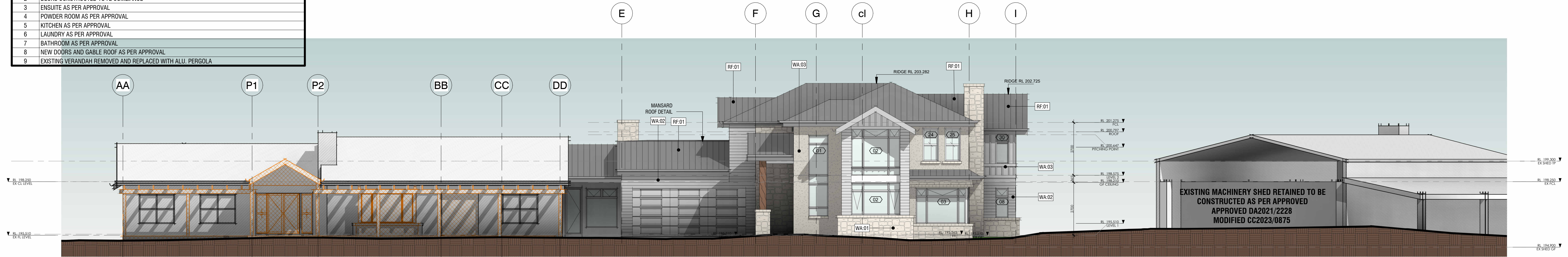


1

ROOF PLAN  
1 : 100



ELEMENTS BUILT UNDER DA2021/2228	
NO.	DESCRIPTION
1	BAY WINDOW REPLACED WITH FZ COMPLIANT BOX WINDOWS
2	DECKS CONSTRUCTED TO FZ COMPLIANCE
3	ENSUITE AS PER APPROVAL
4	POWDER ROOM AS PER APPROVAL
5	KITCHEN AS PER APPROVAL
6	LAUNDRY AS PER APPROVAL
7	BATHROOM AS PER APPROVAL
8	NEW DOORS AND GABLE ROOF AS PER APPROVAL
9	EXISTING VERANDAH REMOVED AND REPLACED WITH ALU. PERGOLA



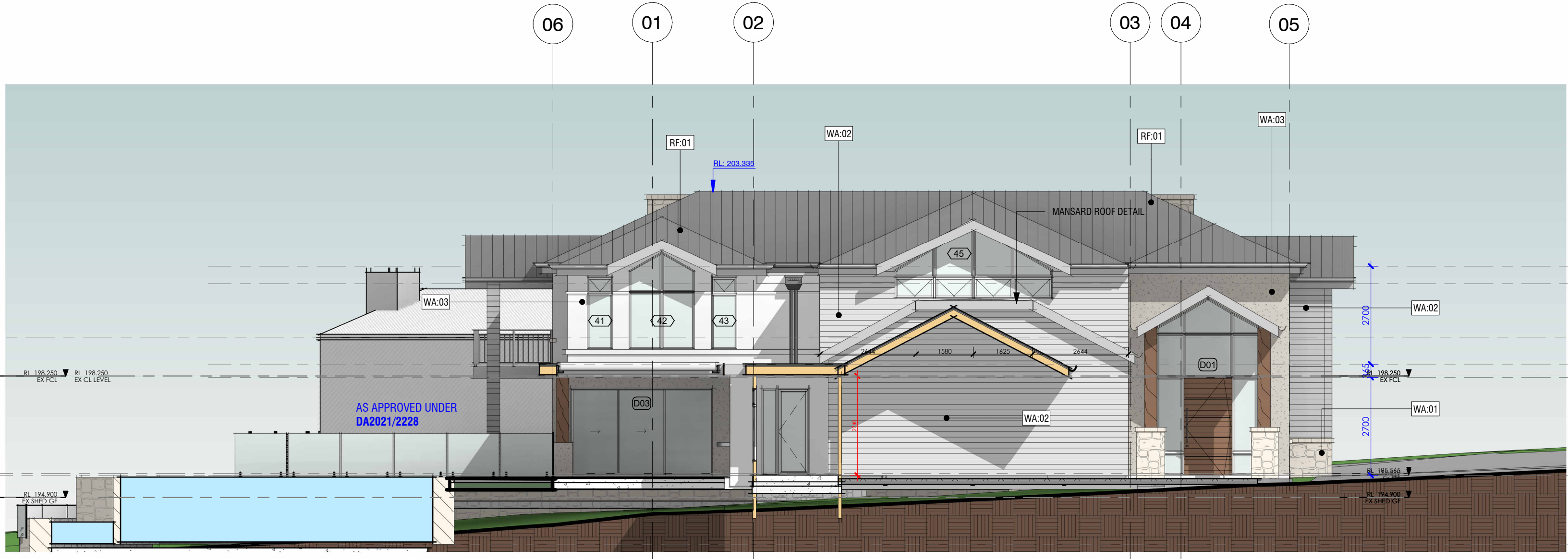
3 NEW WEST ELEVATION  
1:100  
A150



2 NEW EAST ELEVATION  
1:100  
A150

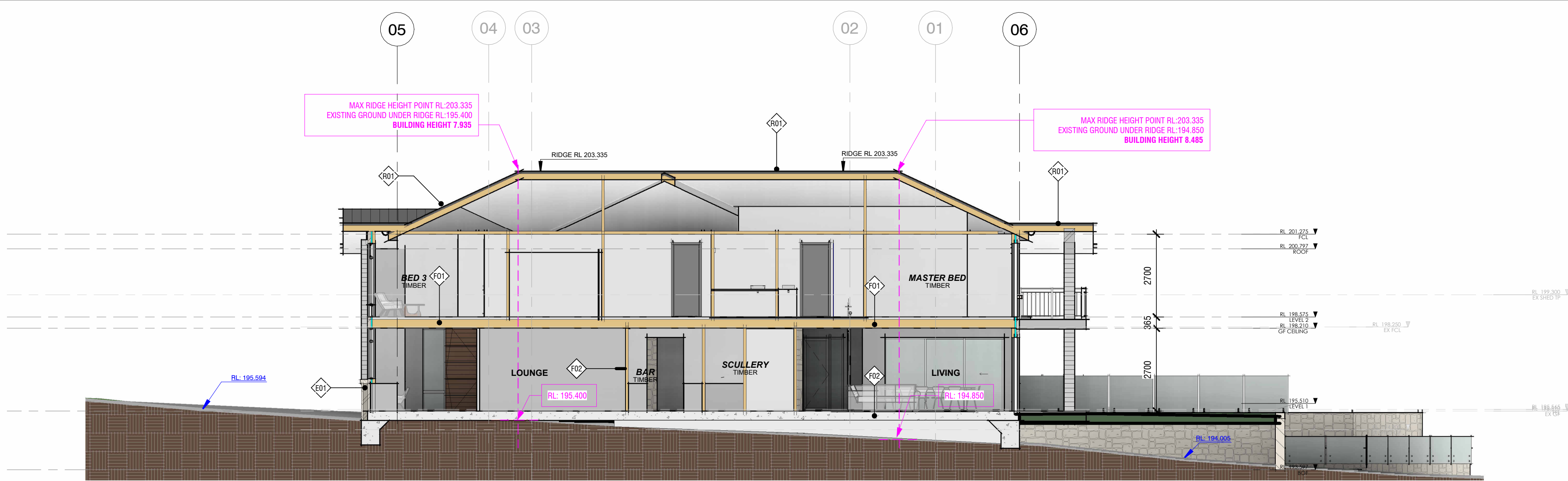


1 NEW SOUTH ELEVATION  
1:100  
A150

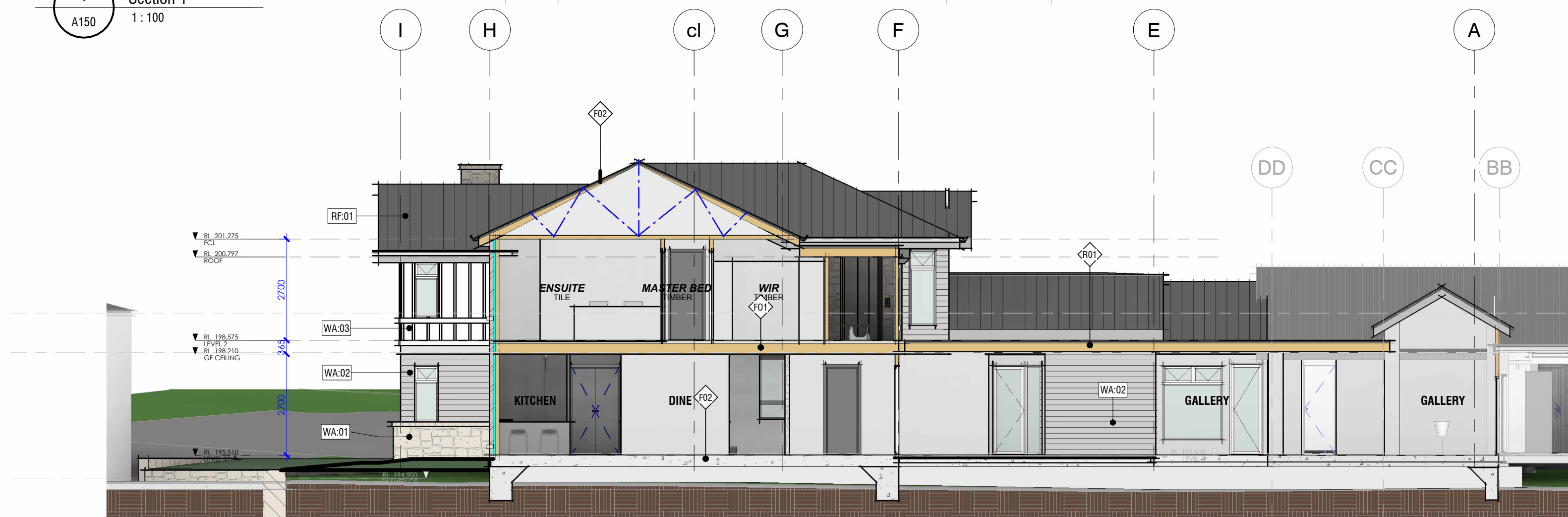


4 NEW NORTH ELEVATION  
1:100  
A150

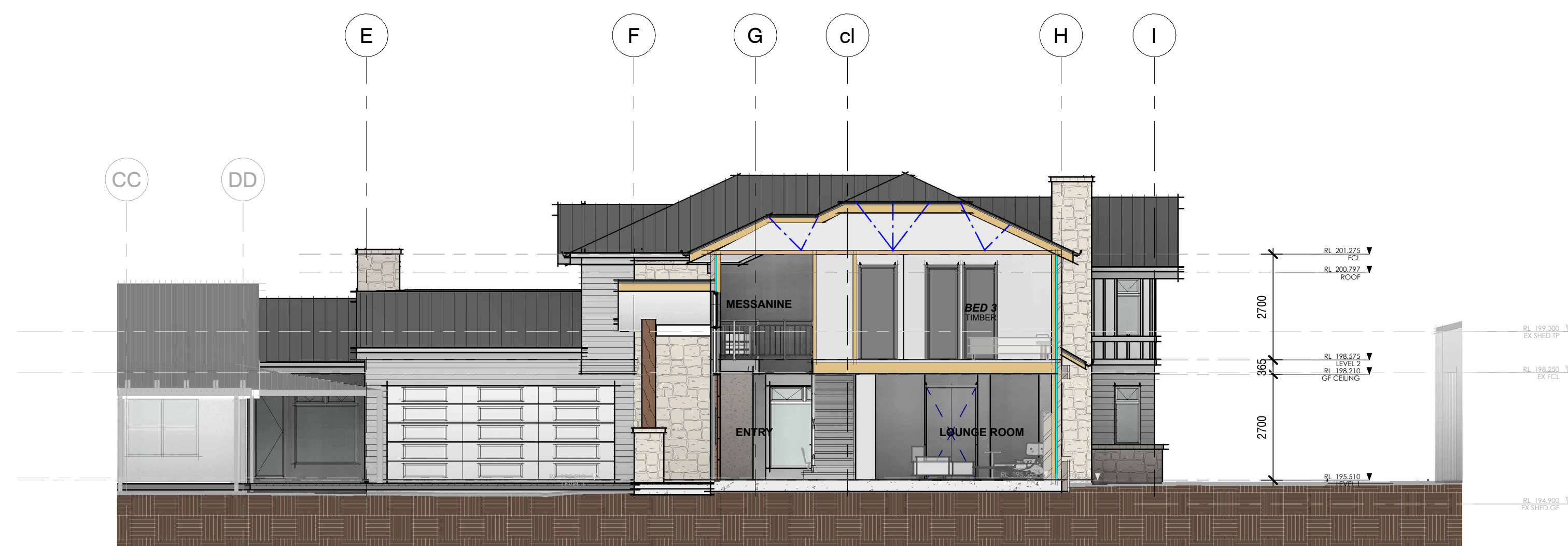




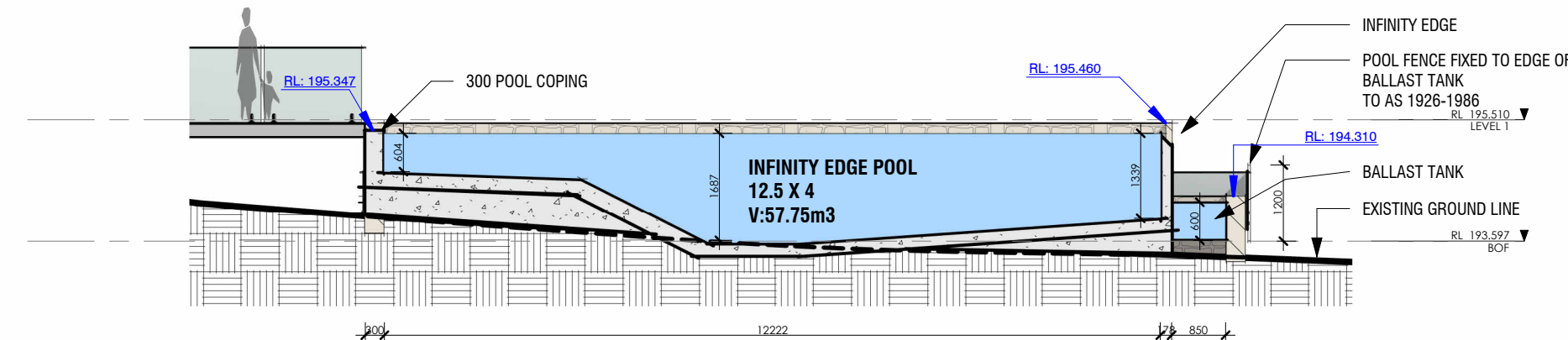
1 Section 1  
A150 1:100



2 Section 7  
A150 1:100



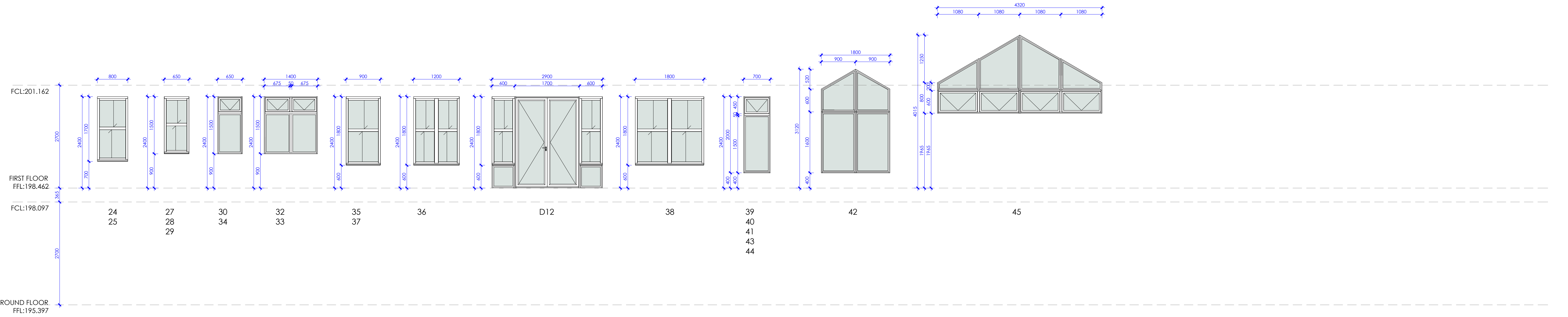
5 Section 3  
A150 1:100



3 POOL LONG SECTION  
A150 1:100

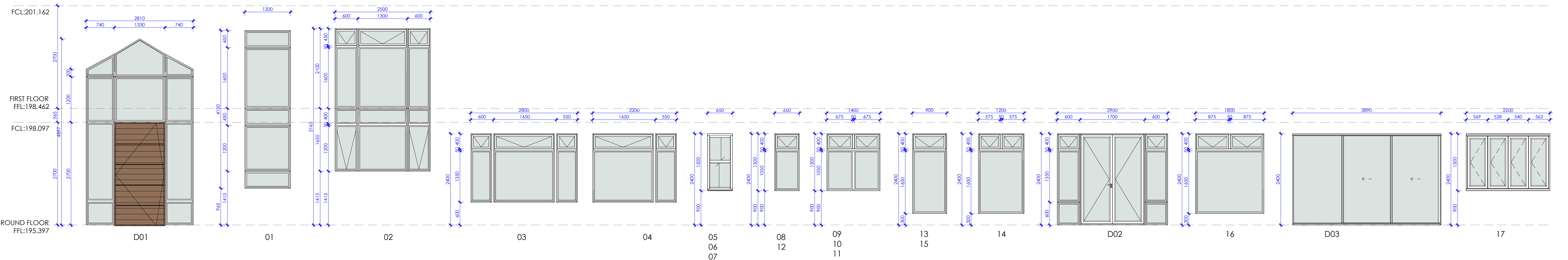
Area Schedule (Gross Building)				
Level	Name	Area	Area Type	Comments
LEVEL 1	ALFRESCO	52.8 m <sup>2</sup>	Gross Building Area	
LEVEL 1	GARAGE	54.6 m <sup>2</sup>	Gross Building Area	
LEVEL 1	GF BALC	7.0 m <sup>2</sup>	Gross Building Area	
LEVEL 1	PORCH	7.6 m <sup>2</sup>	Gross Building Area	
LEVEL 2	FF BALC	6.3 m <sup>2</sup>	Gross Building Area	
: 5		128.3 m <sup>2</sup>		
LEVEL 1	GF LIVING	216.1 m <sup>2</sup>	Gross Building Area	BASIX
LEVEL 2	FF LIVING	204.8 m <sup>2</sup>	Gross Building Area	BASIX
LEVEL 1	GALLERY	40.3 m <sup>2</sup>	Gross Building Area	BASIX
BASIX: 3		461.3 m <sup>2</sup>		
LEVEL 1	EXISTING	210.9 m <sup>2</sup>	Gross Building Area	BASIX EX
BASIX EX: 1		210.9 m <sup>2</sup>		
		800.4 m <sup>2</sup>		





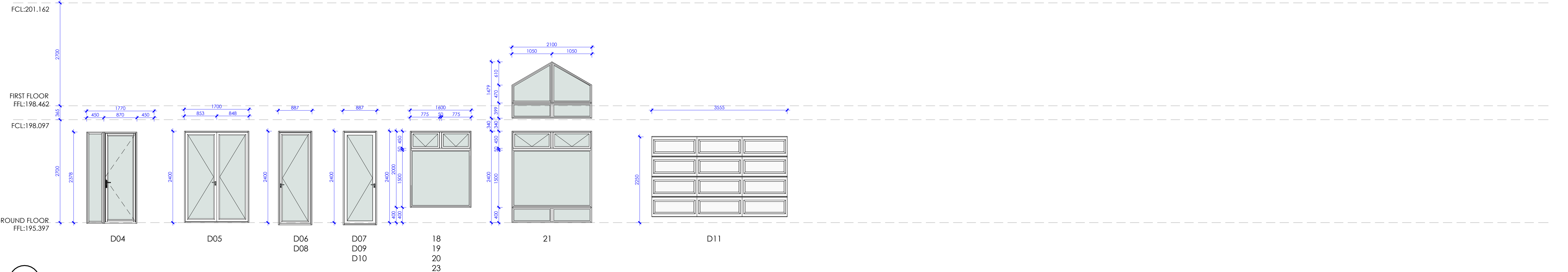
WINDOWS & DOORS FIRST FLOOR  
1 : 50

NOTE:  
BUILDER TO CONFIRM IF WINDOW CAN BE  
MANUFACTURED AS A SINGLE BAY WINDOW



WINDOWS & DOORS GROUND FLOOR  
1 : 50

NOTE:  
BUILDER TO CONFIRM IF WINDOW CAN BE  
MANUFACTURED AS A SINGLE BAY WINDOW



WINDOWS & DOORS GROUND FLOOR  
1 : 50

NOTE:  
BUILDER TO CONFIRM IF WINDOW CAN BE  
MANUFACTURED AS A SINGLE BAY WINDOW



