

# ISSUE FOR DA APPROVAL

## 272 WHALE BEACH ROAD WHALE BEACH, NSW

### DRAWING SCHEDULE

SHEET NO.	DRAWING NAME	SHEET NO.	DRAWING NAME
A000	Title Sheet	A302	Eastern Elevation: Proposed
A100	Erosion and Sediment Control Plan	A303	Northern Elevation: Proposed
A101	Site Analysis Plan	A400	Longitudinal Section: Proposed
A200	Ground Floor: Demolition Plan	A401	Cross Sections: Proposed
A201	Basement: Proposed Plan	A501	Overshadowing: 9am Winter Solstice
A202	Lower Ground Floor: Proposed Plan	A502	Overshadowing: 9am Winter Solstice
A203	Ground Floor: Proposed Plan	A503	Overshadowing: 12pm Winter Solstice
A204	First Floor: Proposed Plan	A504	Overshadowing: 12pm Winter Solstice
A205	Second Floor: Proposed Plan	A505	Overshadowing: 3pm Winter Solstice
A206	Roof: Proposed Plan	A506	Overshadowing: 3pm Winter Solstice
A207	Basement: Area Calculation	A507	Overshadowing: 9am Equinox
A208	Lower Ground Floor: Area Calculation	A508	Overshadowing: 9am Equinox
A209	Ground Floor: Area Calculation	A509	Overshadowing: 12pm Equinox
A210	First Floor: Area Calculation	A510	Overshadowing: 12pm Equinox
A211	Second Floor: Area Calculation	A511	Overshadowing: 3pm Equinox
A300	Southern Elevation: Proposed	A512	Overshadowing: 3pm Equinox
A301	Western Elevation: Proposed		





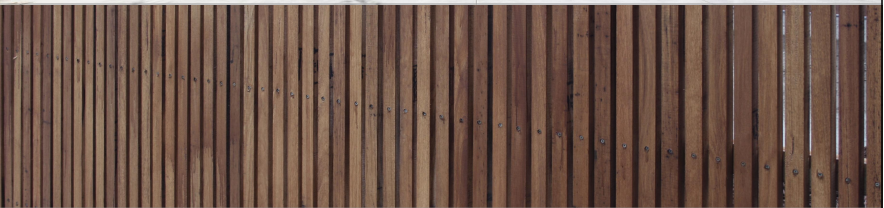
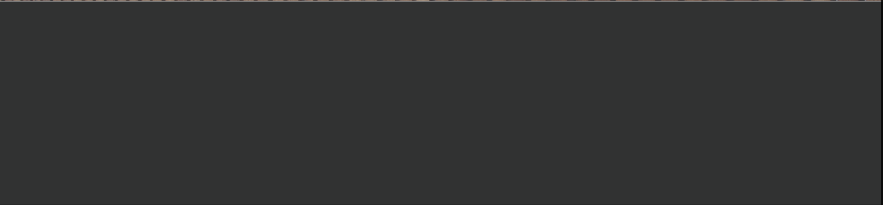
### BASIX NOTES

THE APPLICANT MUST INSTALL SHOWER HEADS THROUGHOUT WITH A MINIMUM 4 STAR WATER RATING  
THE APPLICANT MUST INSTALL TOILETS THROUGHOUT WITH A MINIMUM 4 STAR WATER RATING  
THE APPLICANT MUST INSTALL TAPS THROUGHOUT WITH A MINIMUM 5 STAR WATER RATING  
THE APPLICANT MUST INSTALL BASIN TAPS THROUGHOUT WITH A MINIMUM 5 STAR WATER RATING  
THE APPLICANT MUST INSTALL A RAIN WATER TANK OF AT LEAST 3,000L, WHICH MUST BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE REGULATORY AUTHORITIES TO COLLECT RAIN RUNOFF FROM AT LEAST 265 M2 OF THE ROOF AREA OF THE DEVELOPMENT & CONNECTED TO ALL TOILETS & 1 OUTDOOR TAP  
THE APPLICANT MUST INSTALL A GAS INSTANTANEOUS HOT WATER UNIT WITH A MINIMUM 6 STAR RATING  
THE APPLICANT MUST INSTALL A COOLING SYSTEM IN AT LEAST 1 LIVING ROOM & BEDROOM WITH AN EER 3.5 - 4 RATING  
THE APPLICANT MUST INSTALL A HEATING SYSTEM IN AT LEAST 1 LIVING ROOM & BEDROOM WITH AN EER 3.5 - 4 RATING  
ALL HEATING & COOLING SYSTEMS MUST PROVIDE FOR DAY / NIGHT ZONING BETWEEN LIVING ROOMS & BEDROOMS  
THE APPLICANT MUST INSTALL EXHAUST SYSTEMS TO THE KITCHEN, LAUNDRY & AT LEAST 1 BATHROOM WITH OPERATION CONTROL & A MANUAL ON/OFF SWITCH DUCTED TO THE FACADE OR ROOF  
THE APPLICANT MUST ENSURE THAT THE PRIMARY TYPE OF ARTIFICIAL LIGHTING IS FLUORESCENT OR LED LIGHTING  
THE APPLICANT MUST INSTALL A WINDOW &/OR SKYLIGHT IN THE KITCHEN FOR NATURAL LIGHTING  
THE APPLICANT MUST INSTALL A WINDOW &/OR SKYLIGHT IN 4 BATHROOMS FOR NATURAL LIGHTING  
THE APPLICANT MUST INSTALL A GAS COOKTOP & ELECTRIC OVEN IN THE KITCHEN  
THE APPLICANT MUST CONSTRUCT EACH FRIDGE SPACE IN THE DEVELOPMENT SO THAT IS WELL VENTILATED  
THE APPLICANT MUST INSTALL A FIXED OUTDOOR CLOTHES DRYING LINE AS PART OF THE DEVELOPMENT  
EXTERNAL WALL: OFF FORMED CONCRETE - REQUIRES ADDITIONAL INSULATION R2.75 (60MM KOOLTHERM K10 INSULATION)  
INTERNAL WALL: THROUGHOUT - REQUIRES ADDITIONAL INSULATION R2.5  
FLOOR: SUSPENDED CONCRETE SLAB / CONCRETE SLAB ON GROUND - REQUIRES ADDITIONAL INSULATION R2.75 (60MM KOOLTHERM K10 INSULATION) + R1.0 TO EDGE OF SUSPENDED CONCRETE SLABS  
GLAZING GENERALLY TO HAVE COMBINED FRAME & GLASS VALUES OF U-VALUE: 2.23, SHGC: 0.39  
EASTERN & WESTERN WINDOWS TO HABITABLE ROOMS MUST HAVE ADJUSTABLE EXTERNAL SHADING DEVICES INSTALLED  
SKYLIGHTS THROUGHOUT MUST HAVE ADJUSTABLE EXTERNAL SHADING DEVICES INSTALLED  
2 X 1200MM CEILING FANS MUST BE INSTALLED TO THE KITCHEN / LIVING ROOM

### CALCULATIONS

SITE AREA	708 M2
PROPOSED AREAS	
BASEMENT / GARAGE	20 M2 / 50 M2
LOWER GROUND FLOOR	47 M2
GROUND FLOOR	112 M2
FIRST FLOOR	89 M2
SECOND FLOOR	48 M2
TOTAL AREA	366 M2
TOTAL AREA (EXCLUDING GARAGE)	316 M2
PITTWATER COUNCIL LOCAL ENVIRONMENT PLAN 2014	0.45:1
MAXIMUM F.S.R. (EXCLUDING GARAGE) = 0.5:1	
TOTAL LANDSCAPED AREA (INCLUDING GREEN ROOFS)	426 M2
PITTWATER COUNCIL LOCAL ENVIRONMENT PLAN 2014	60%
MINIMUM LANDSCAPED AREA = 60% OF TOTAL SITE AREA	

### EXTERNAL FINISHES & MATERIALS SELECTION

AREA	FINISH	IMAGE
EXTERNAL MASONRY WALLS OFF-FORMED CONCRETE	OFF-FORMED CONCRETE COLOUR: NATURAL CONCRETE	
EXTERNAL LIGHT WEIGHT CLADDING TIMBER CLADDING: HARDWOOD	NATURAL HARDWOOD CLADDING COLOUR: NATURAL	
EXTERNAL MASONRY WALLS DRY STACKED STONE	SANDSTONE BLOCK, DRY STACKED COLOUR: NATURAL	
EXTERNAL DOORS & WINDOWS	ALUMINIUM FRAMED, PRE-FINSHED COLOUR: MONUMENT	
TIMBER SCREENING	TIMBER BATTENS CONCEAL FIXED TO POWDER-COATED STEEL FRAME BATTEN COLOUR: NATURAL FRAME COLOUR: MONUMENT	
FLASHING, GUTTERS & DOWNPIPES	ALUMINIUM, PRE-FINSHED COLOUR: MONUMENT	



AVENUE  
ONE  
DESIGN

#### AVENUE ONE DESIGN

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DATE

23.12.2022

PROJECT NO.

AO242

SCALE

NTS

CLIENT

JASON & TANYA

PROJECT ADDRESS

272 WHALE BEACH ROAD  
WHALE BEACH, NSW

DRAWING ISSUE

ISSUE FOR PRE. CONCEPT  
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ISSUE FOR CONCEPT  
ISSUE FOR DA APPROVAL  
ISSUE FOR DA APPROVAL  
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ISSUE FOR DA APPROVAL

REVISION

A  
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DATE ISSUED

29.08.2022  
19.09.2022  
21.09.2022  
04.11.2022  
20.12.2022  
22.12.2022  
23.12.2022

DRAWING

COVER PAGE

Title Sheet

PROJECT

NEW BUILD

Whale Beach House

PROJECT STATUS

DA APPROVAL

DRAWING ID

A000

REVISION

G



SITE NOTES

EROSION & SEDIMENT CONTROL NOTES

SLOPING SITE FROM NORTH TO SOUTH

RESPREAD TOPSOIL & REVEGETATE ALL BARE AREAS

RETAIN TEMPORARY STRAW BALE & SILT FENCE DRAINAGE STRUCTURES UNTIL STORMWATER DRAINAGE & LANDSCAPING IS IN PLACE

DOWNSTREAM EROSION TO BE CHECKED & MAINTAINED PERIODICALLY DURING CONSTRUCTION

BUILDER TO ENSURE CONSTRUCTION & STABILISATION OF ALL CULVERTS & SURFACE DRAINAGE WORKS AT EARLIEST PRACTICAL STAGE

REMOVAL OR DISTURBANCE OF VEGETATION & TOP SOIL IS CONFINED TO WITHIN 3M OF THE APPROVED BUILDING AREA (NO TREES ARE TO BE REMOVED WITHOUT APPROVAL)

ALL UNCONTAMINATED RUN-OFF MUST BE DIVERTED AROUND CLEARED OR DISTURBED AREAS

THE INSTALLATION OF SILT FENCES OR OTHER DEVICES MUST PREVENT SEDIMENT & OTHER DEBRIS ESCAPING FROM THE CLEARED OR DISTURBED AREAS INTO DRAINAGE SYSTEMS OR WATERWAYS

ALL EROSION & SEDIMENT CONTROLS ARE FULLY MAINTAINED FOR THE DURATION OF THE DEMOLITION & DEVELOPMENT WORKS

CONTROLS MUST BE PUT INTO PLACE TO PREVENT TRACKING OF SEDIMENT BY VEHICLES ONTO ADJOINING ROADWAYS

ALL DISTURBED AREAS ARE RENDERED EROSION-RESISTANT BY TURFING, MULCHING, PAVING OR SIMILAR

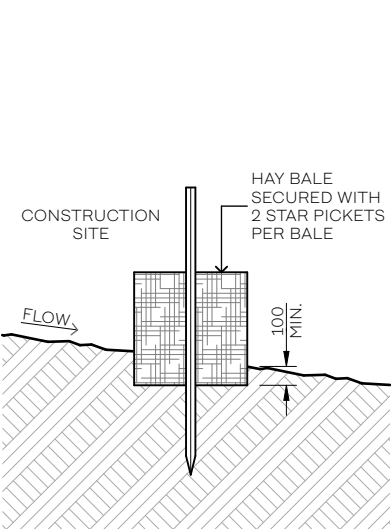
ALL WATER PUMPED OR OTHERWISE REMOVED FROM EXCAVATIONS OR BASEMENT AREAS MUST BE FILTERED TO ACHIEVE SUSPENDED SOLIDS/NON FILTERABLE RESIDUE LEVELS COMPLYING WITH THE AUSTRALIAN WATER QUALITY GUIDELINES FOR FRESH & MARINE WATERS

PUMPED OR OVERLAND FLOWS OF WATER ARE TO BE DISCHARGED SO AS NOT TO CAUSE, PERMIT OR ALLOW EROSION BEFORE THE COMMENCEMENT OF WORK (& UNTIL ISSUE OF THE OCCUPATION CERTIFICATE)

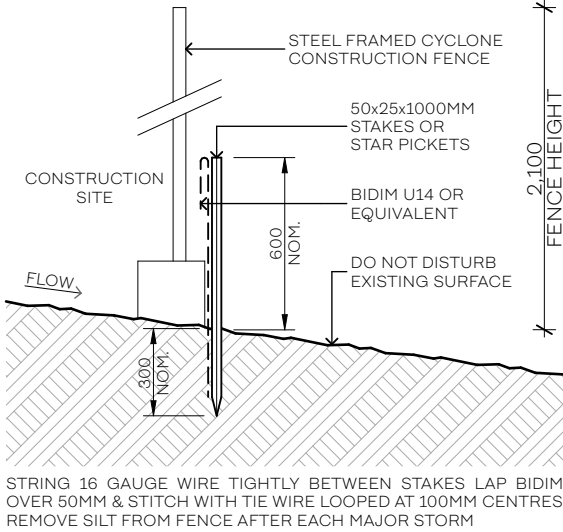
ALL EXCAVATIONS MUST BE KEPT FREE FROM WATER ACCUMULATION

ANY EXCAVATION WORKS CARRIED OUT ON SITE SHOULD BE CLOSELY MONITORED TO ENSURE NO SIGNS OF POTENTIAL ACID SULPHATE SOIL (PASS) OR ACTUAL ACID SULPHATE SOIL (AASS) ARE OBSERVED, INDICATORS MAY INCLUDE GREY TO GREENISH BLUE CLAYS, UNUSUAL GOLD-YELLOW MOTTLING OR 'ROTTEN EGG' ODOURS. IF ANY OF THESE INDICATORS ARE OBSERVED, EXCAVATION OF THE SITE IS TO BE STOPPED IMMEDIATELY, COUNCIL IS TO BE NOTIFIED & A SUITABLY QUALIFIED ENVIRONMENTAL SCIENTIST SHOULD BE CONTRACTED TO FURTHER ASSESS THE SITE.

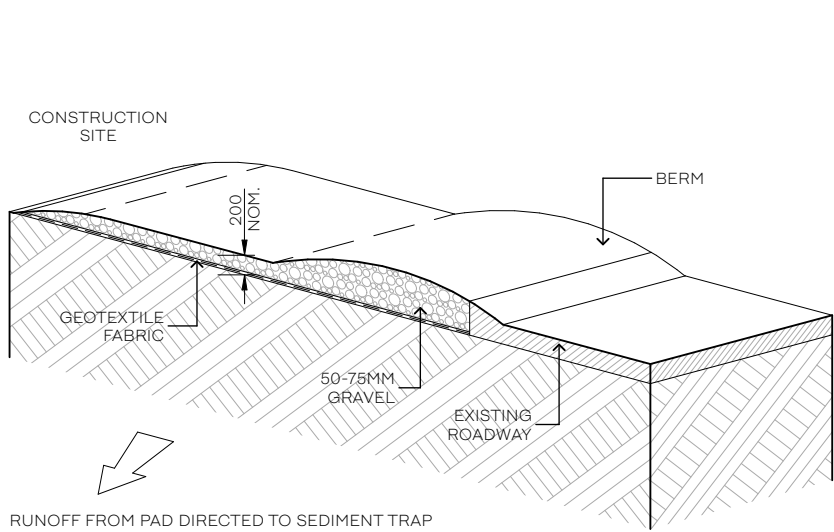
IN THE EVENT OF A STORM, ALL ESTABLISHED CONTROLS ARE TO BE ASSESSED & THE HYDRAULIC ENGINEER & ARCHITECT ARE TO BE NOTIFIED IMMEDIATELY OF ANY DOWNSTREAM SEDIMENTATION



Hay Bale Detail



Silt Fence Detail



Temporary Construction Exit

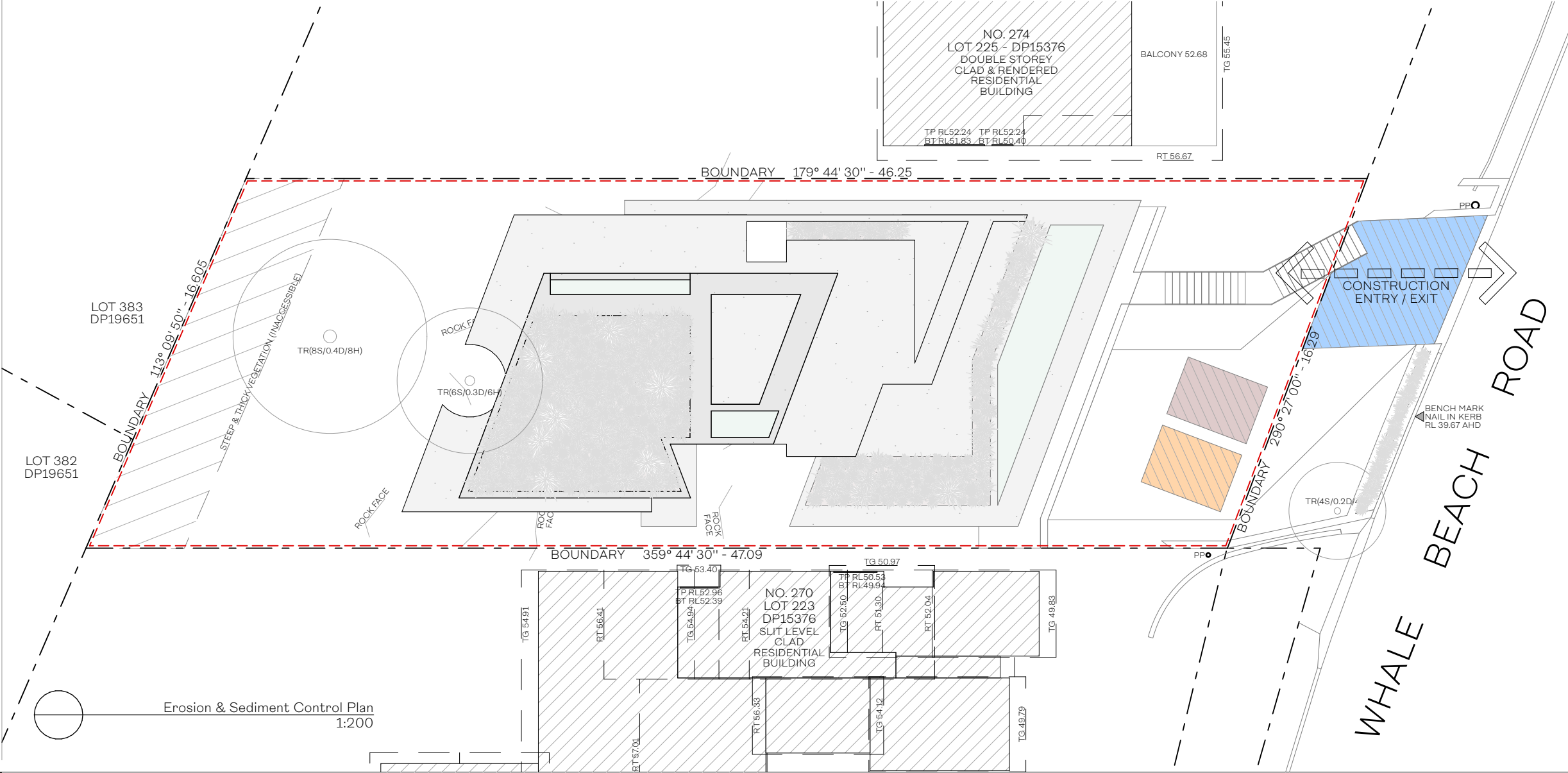
EROSION & SEDIMENT CONTROL LEGEND

- PROVISION AREA FOR STOCKPILING OF MATERIALS
- AREA FOR STORING EXCAVATED MATERIAL
- TRADE WASTE RECEPTABLE LOCATION
- 2.1M HIGH STEEL FRAMED CYCLONE CONSTRUCTION FENCE & SILT FENCE, REFER TO DETAIL
- TEMPORARY CONSTRUCTION EXIT, REFER TO DETAIL

IMPERVIOUS AREA CALCULATIONS

NOTE: UNCOVERED DECK IS NOT INCLUDED AS IMPERVIOUS AREA

EXISTING IMPERVIOUS AREA 467 M2  
NEW IMPERVIOUS AREA 342 M2



Erosion & Sediment Control Plan  
1:200



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23.12.2022  
PROJECT NO.  
AO242  
SCALE  
1:200@A3

CLIENT  
JASON & TANYA  
PROJECT ADDRESS  
272 WHALE BEACH ROAD  
WHALE BEACH, NSW

DRAWING ISSUE  
ISSUE FOR PRE. CONCEPT  
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ISSUE FOR CONCEPT  
ISSUE FOR DA APPROVAL  
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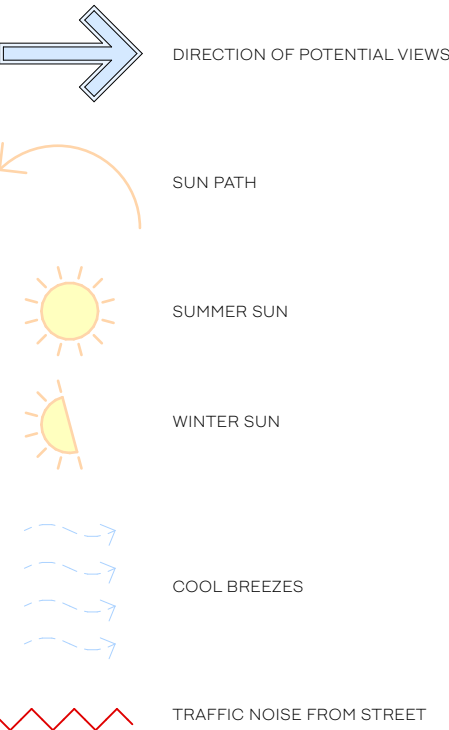
DRAWING SITE AND LOCATION PLANS  
Erosion and Sediment Control Plan  
PROJECT NEW BUILD  
WHALE BEACH HOUSE

PROJECT STATUS  
DA APPROVAL

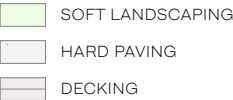
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A100  
REVISION  
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SITE NOTES  
SITE ANALYSIS LEGEND



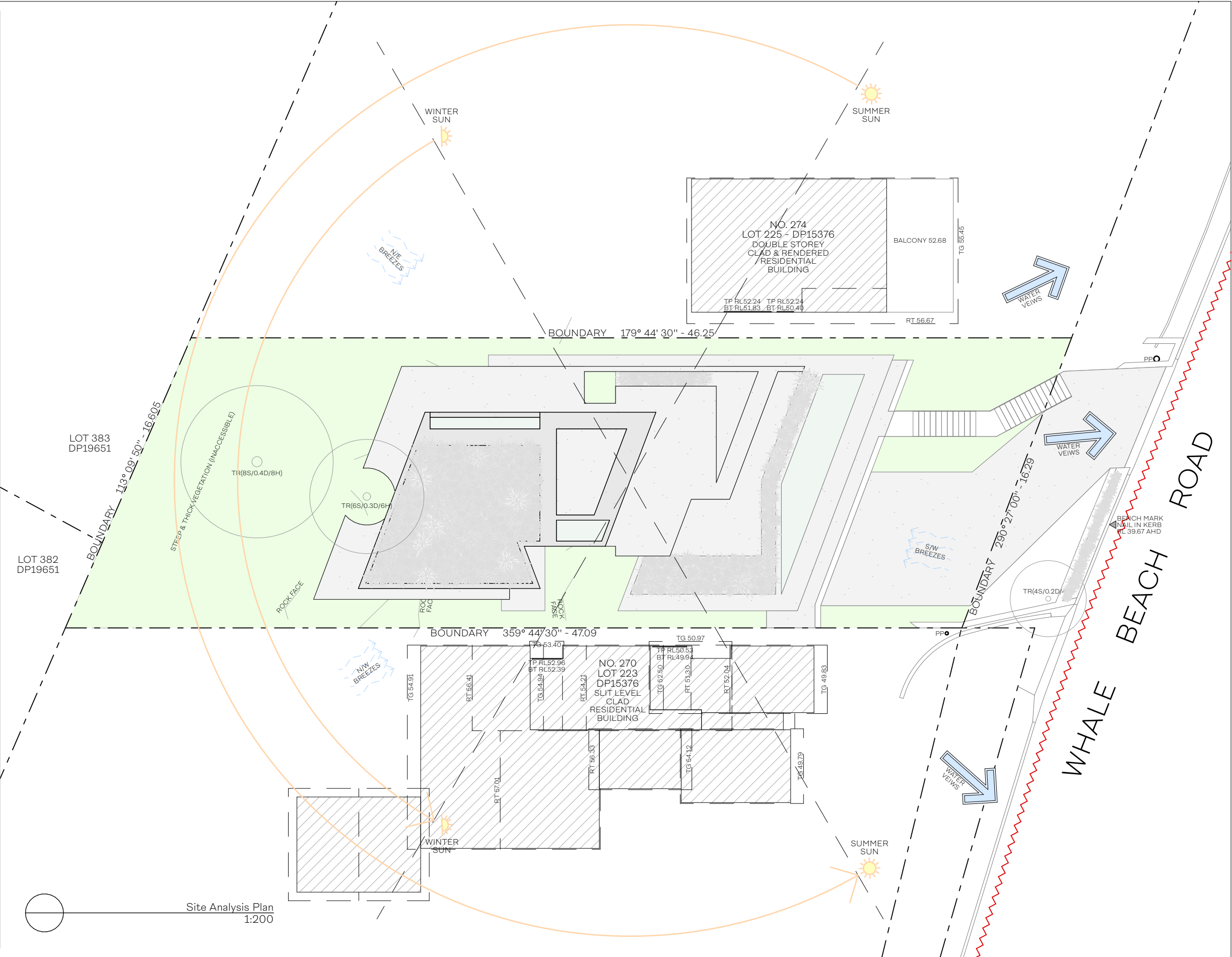
SITE & LANDSCAPE LEGEND



IMPERVIOUS AREA CALCULATIONS

NOTE: UNCOVERED DECK IS NOT INCLUDED AS IMPERVIOUS AREA

EXISTING IMPERVIOUS AREA	467 M2
NEW IMPERVIOUS AREA	342 M2



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272 WHALE BEACH ROAD  
WHALE BEACH, NSW

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ISSUE FOR PRE. CONCEPT	A	29.08.2022
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ISSUE FOR DA APPROVAL	E	20.12.2022
ISSUE FOR DA APPROVAL	F	22.12.2022
ISSUE FOR DA APPROVAL	G	23.12.2022

DRAWING

SITE AND LOCATION PLANS  
**Site Analysis Plan**

PROJECT

NEW BUILD  
**Whale Beach House**

PROJECT STATUS  
DA APPROVAL

DRAWING ID  
A101

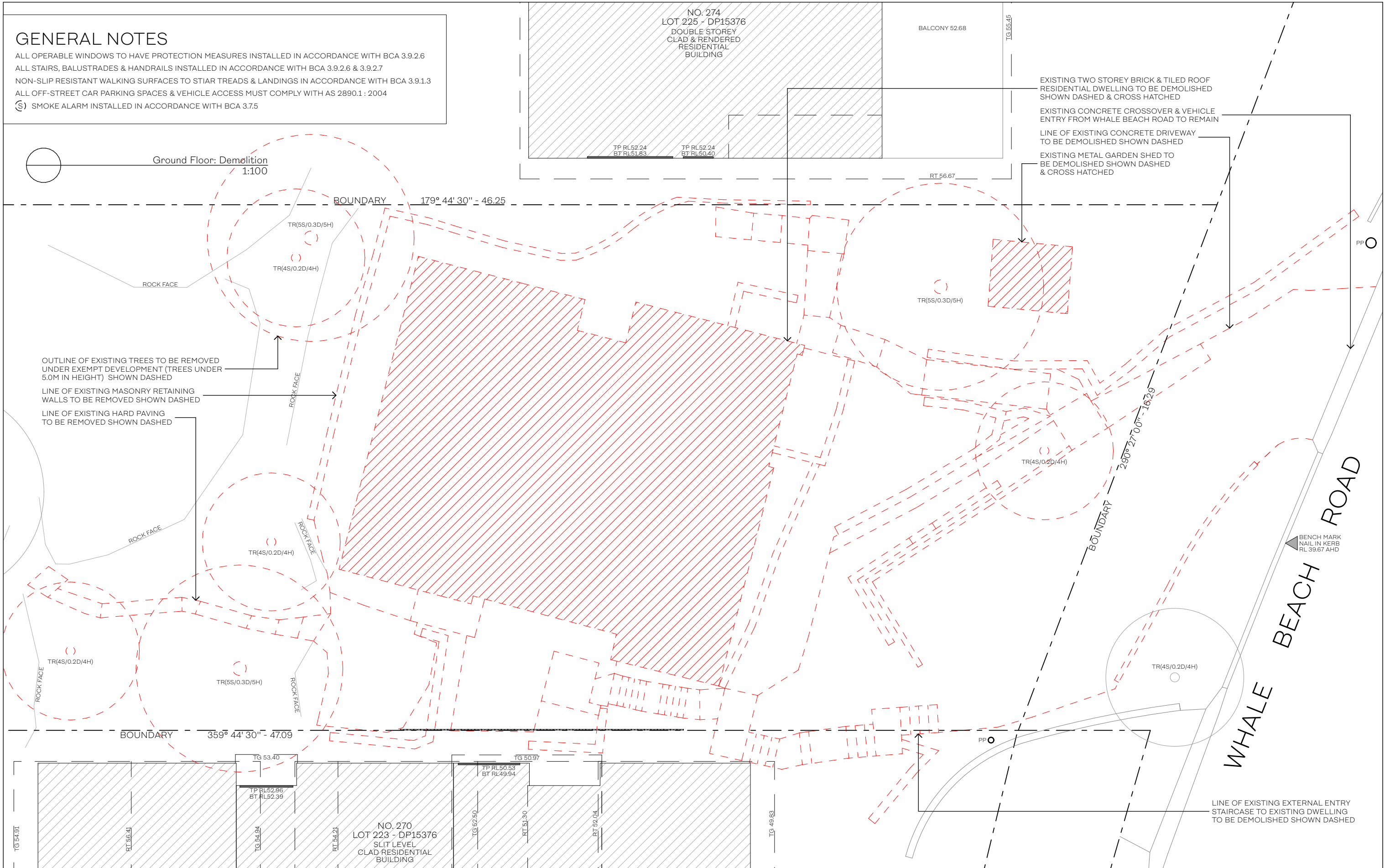
REVISION  
G



GENERAL NOTES

ALL OPERABLE WINDOWS TO HAVE PROTECTION MEASURES INSTALLED IN ACCORDANCE WITH BCA 3.9.2.6  
ALL STAIRS, BALUSTRADES & HANDRAILS INSTALLED IN ACCORDANCE WITH BCA 3.9.2.6 & 3.9.2.7  
NON-SLIP RESISTANT WALKING SURFACES TO STAIR TREADS & LANDINGS IN ACCORDANCE WITH BCA 3.9.1.3  
ALL OFF-STREET CAR PARKING SPACES & VEHICLE ACCESS MUST COMPLY WITH AS 2890.1 : 2004  
(S) SMOKE ALARM INSTALLED IN ACCORDANCE WITH BCA 3.7.5

Ground Floor: Demolition  
1:100



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1:100@A3

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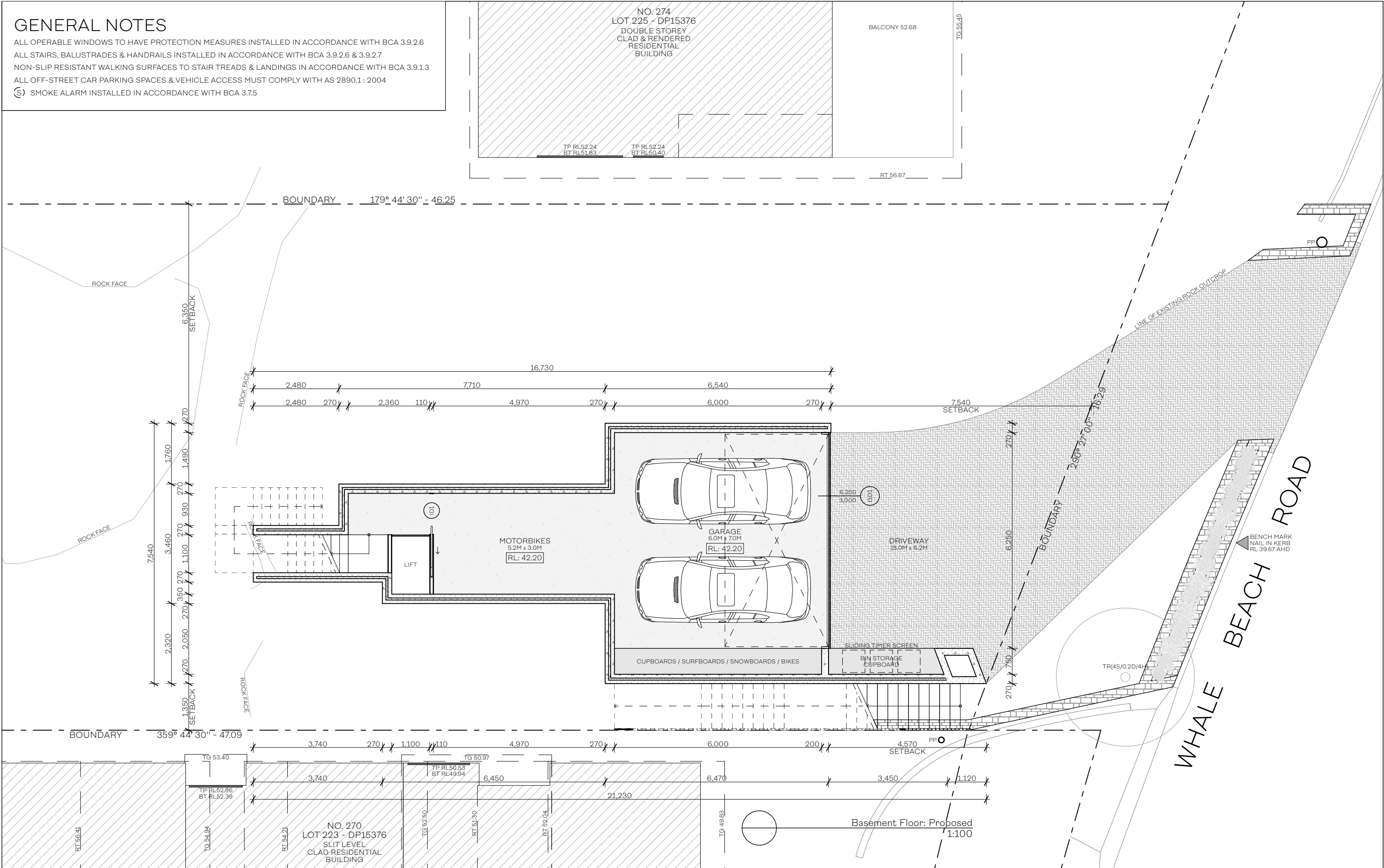
DRAWING  
EXISTING / DEMOLITION PLANS  
**Ground Floor: Demolition Plan**  
PROJECT  
NEW BUILD  
**WHALE BEACH HOUSE**

PROJECT STATUS  
DA APPROVAL  
DRAWING ID  
A200  
REVISION  
G



GENERAL NOTES

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AVENUE  
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1:100@A3

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ISSUE FOR DA APPROVAL	F	22.12.2022
ISSUE FOR DA APPROVAL	G	23.12.2022
ISSUE FOR DA APPROVAL	H	30.01.2023
ISSUE FOR DA APPROVAL	I	22.05.2023
ISSUE FOR DA APPROVAL	J	26.05.2023
ISSUE FOR DA APPROVAL	K	20.06.2023
ISSUE FOR DA APPROVAL	L	22.06.2023

DRAWING	PROPOSED PLANS
	Basement: Proposed Plan
PROJECT	NEW BUILD
	Whale Beach House

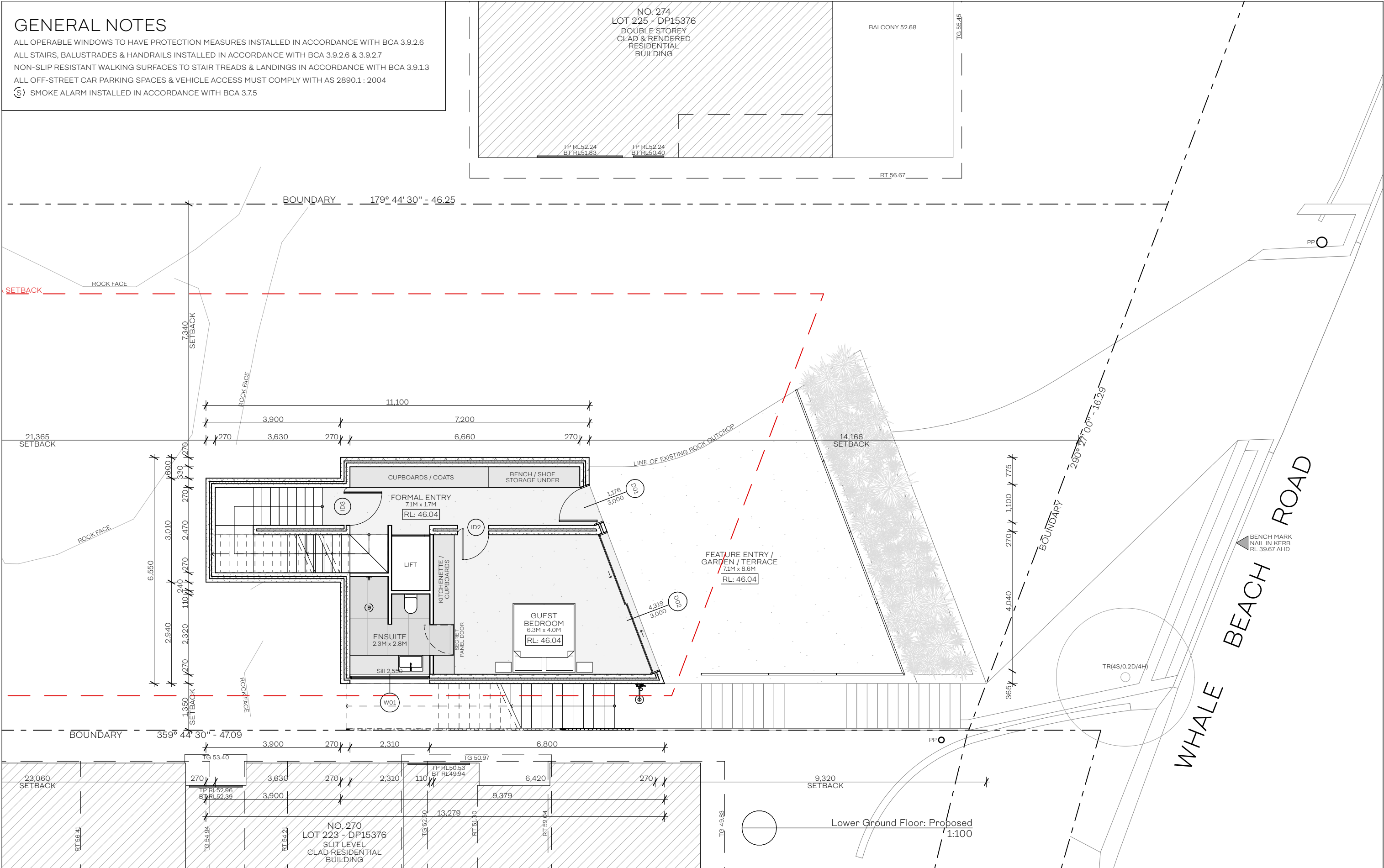
PROJECT STATUS  
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DRAWING ID  
A201  
REVISION  
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GENERAL NOTES

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DATE  
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PROJECT NO.  
AO242  
SCALE  
1:100@A3

CLIENT  
JASON & TANYA  
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272 WHALE BEACH ROAD  
WHALE BEACH, NSW

DRAWING ISSUE	REVISION	DATE ISSUED
ISSUE FOR DA APPROVAL	F	22.12.2022
ISSUE FOR DA APPROVAL	G	23.12.2022
ISSUE FOR DA APPROVAL	H	30.01.2023
ISSUE FOR DA APPROVAL	I	22.05.2023
ISSUE FOR DA APPROVAL	J	26.05.2023
ISSUE FOR DA APPROVAL	K	20.06.2023
ISSUE FOR DA APPROVAL	L	22.06.2023

DRAWING PROPOSED PLANS  
**Lower Ground Floor: Proposed Plan**  
PROJECT NEW BUILD  
**Whale Beach House**

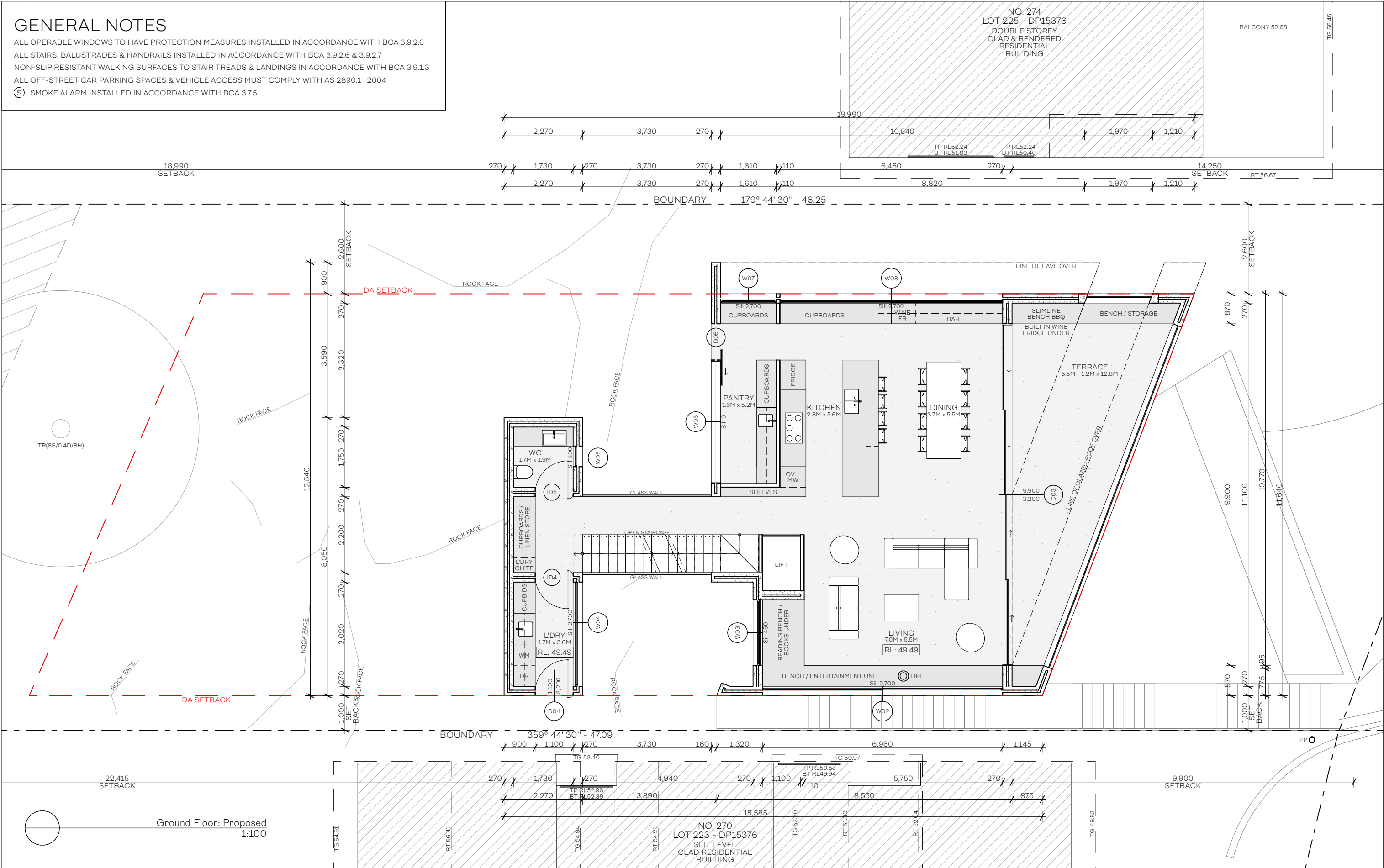
PROJECT STATUS  
DA APPROVAL

DRAWING ID REVISION  
**A202 L**



GENERAL NOTES

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NON-SLIP RESISTANT WALKING SURFACES TO STAIR TREADS & LANDINGS IN ACCORDANCE WITH BCA 3.9.1.3  
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(S) SMOKE ALARM INSTALLED IN ACCORDANCE WITH BCA 3.7.5



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DATE  
26.06.2023  
PROJECT NO.  
AO242  
SCALE  
1:100@A3

CLIENT  
JASON & TANYA  
PROJECT ADDRESS  
272 WHALE BEACH ROAD  
WHALE BEACH, NSW

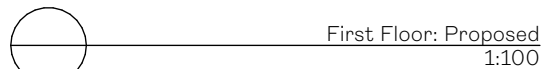
DRAWING ISSUE	REVISION	DATE ISSUED
ISSUE FOR DA APPROVAL	F	22.12.2022
ISSUE FOR DA APPROVAL	G	23.12.2022
ISSUE FOR DA APPROVAL	H	30.01.2023
ISSUE FOR DA APPROVAL	I	22.05.2023
ISSUE FOR DA APPROVAL	J	26.05.2023
ISSUE FOR DA APPROVAL	K	20.06.2023
ISSUE FOR DA APPROVAL	L	22.06.2023

DRAWING  
PROPOSED PLANS  
Ground Floor: Proposed Plan  
PROJECT  
NEW BUILD  
Whale Beach House

PROJECT STATUS  
DA APPROVAL

DRAWING ID  
A203  
REVISION  
L

ALL OPERABLE WINDOWS TO HAVE PROTECTION MEASURES INSTALLED IN ACCORDANCE WITH BCA 3.9.2.6  
ALL STAIRS, BALUSTRADES & HANDRAILS INSTALLED IN ACCORDANCE WITH BCA 3.9.2.6 & 3.9.2.7  
NON-SLIP RESISTANT WALKING SURFACES TO STAIR TREADS & LANDINGS IN ACCORDANCE WITH BCA 3.9.1.3  
ALL OFF-STREET CAR PARKING SPACES & VEHICLE ACCESS MUST COMPLY WITH AS 2890.1 : 2004  
(S) SMOKE ALARM INSTALLED IN ACCORDANCE WITH BCA 3.7.5



**A:** 3/18 HUTCHINSON STREET  
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**P:** +612 9054 1234  
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**W:** AVENUEONEDSIGN.COM.AU

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DATE	CLIENT
26.06.2023	JASON & TANYA
PROJECT NO.	PROJECT ADDRESS
AO242	272 WHALE BEACH ROAD
SCALE	WHALE BEACH, NSW

DRAWING ISSUE	REVISION	DATE ISSUED
ISSUE FOR DA APPROVAL	F	22.12.2022
ISSUE FOR DA APPROVAL	G	23.12.2022
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ISSUE FOR DA APPROVAL	K	20.06.2023
ISSUE FOR DA APPROVAL	L	22.06.2023

DRAWING

PROPOSED PLANS

# First Floor: Proposed Plan

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PROJECT

NEW BUILD

## Whale Beach House

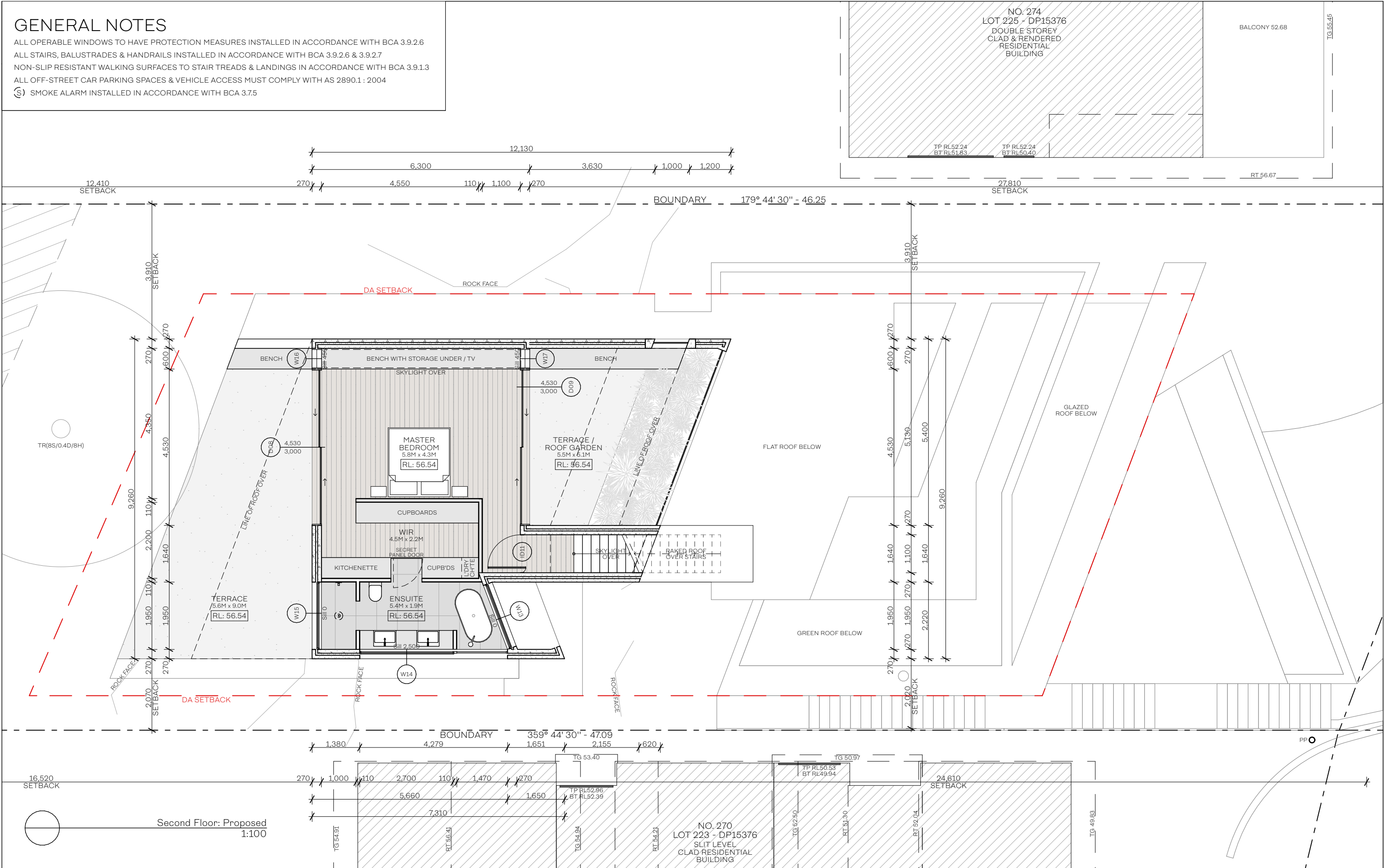
PROJECT STATUS  
DA APPROVAL

DRAWING ID      REVISION  
A204              L



GENERAL NOTES

ALL OPERABLE WINDOWS TO HAVE PROTECTION MEASURES INSTALLED IN ACCORDANCE WITH BCA 3.9.2.6  
ALL STAIRS, BALUSTRADES & HANDRAILS INSTALLED IN ACCORDANCE WITH BCA 3.9.2.6 & 3.9.2.7  
NON-SLIP RESISTANT WALKING SURFACES TO STAIR TREADS & LANDINGS IN ACCORDANCE WITH BCA 3.9.1.3  
ALL OFF-STREET CAR PARKING SPACES & VEHICLE ACCESS MUST COMPLY WITH AS 2890.1 : 2004  
(S) SMOKE ALARM INSTALLED IN ACCORDANCE WITH BCA 3.7.5



AVENUE ONE DESIGN

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PROJECT NO.  
AO242  
SCALE  
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CLIENT  
JASON & TANYA  
PROJECT ADDRESS  
272 WHALE BEACH ROAD  
WHALE BEACH, NSW

DRAWING ISSUE	REVISION	DATE ISSUED
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ISSUE FOR DA APPROVAL	G	23.12.2022
ISSUE FOR DA APPROVAL	H	30.01.2023
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ISSUE FOR DA APPROVAL	J	26.05.2023
ISSUE FOR DA APPROVAL	K	20.06.2023
ISSUE FOR DA APPROVAL	L	22.06.2023

DRAWING  
PROPOSED PLANS  
Second Floor: Proposed Plan  
PROJECT  
NEW BUILD  
Whale Beach House

PROJECT STATUS  
DA APPROVAL

DRAWING ID  
A205  
REVISION  
L

## GENERAL NOTES

ALL OPERABLE WINDOWS TO HAVE PROTECTION MEASURES INSTALLED IN ACCORDANCE WITH BCA 3.9.2.6

ALL STAIRS, BALUSTRADES & HANDRAILS INSTALLED IN ACCORDANCE WITH BCA 3.9.2.6 & 3.9.2.7

NON-SLIP RESISTANT WALKING SURFACES TO STAIR TREADS & LANDINGS IN ACCORDANCE WITH BCA 3.9.1.3

ALL OFF-STREET CAR PARKING SPACES & VEHICLE ACCESS MUST COMPLY WITH AS 2890.1 : 2004

⑤) SMOKE ALARM INSTALLED IN ACCORDANCE WITH BCA 3.7.5

## GENERAL NOTES

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ALL OFF-STREET CAR PARKING SPACES & VEHICLE ACCESS MUST COMPLY WITH AS 2890.1 : 2004

⑤) SMOKE ALARM INSTALLED IN ACCORDANCE WITH BCA 3.7.5

## GENERAL NOTES

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⑤) SMOKE ALARM INSTALLED IN ACCORDANCE WITH BCA 3.7.5

KNAUF INSULATION GREEN SOLUTIONS URBANSCAPE GREEN ROOF SYSTEM INSTALLED OVER ROOF STRUCTURE BELOW  
NOTE: GREEN ROOF SYSTEM, WATERPROOFING & DRAINAGE CONSTRUCTED IN ACCORDANCE WITH MANUFACTURERS DETAIL

SUSPENDED RC SLAB OVER BUILDING BELOW, REFER TO STRUCTURAL ENGINEERS DETAILS  
NOTE: ALLOW INSTALLATION OF WATERPROOF MEMBRANE AS REQUIRED SUITABLE FOR GRAVEL LAYER APPLIED ON TOP

BOUNDARY

179° 44' 30" - 46.25

TP RL52.24  
BT RL51.83

TP RL52.24  
BT RL50.40

RT 56.67

KNAUF INSULATION GREEN SOLUTIONS URBANSCAPE GREEN ROOF SYSTEM INSTALLED OVER ROOF STRUCTURE BELOW  
NOTE: GREEN ROOF SYSTEM, WATERPROOFING & DRAINAGE CONSTRUCTED IN ACCORDANCE WITH MANUFACTURERS DETAIL

SUSPENDED RC SLAB OVER BUILDING BELOW, REFER TO STRUCTURAL ENGINEERS DETAILS  
NOTE: ALLOW INSTALLATION OF WATERPROOF MEMBRANE AS REQUIRED SUITABLE FOR GRAVEL LAYER APPLIED ON TOP

BOUNDARY

179° 44' 30" - 46.25

TP RL52.24  
BT RL51.83

TP RL52.24  
BT RL50.40

RT 56.67

[illegible]

Architectural drawing of a green roof layout, showing various zones, dimensions, and annotations.

**Annotations:**

- FIXED GLAZED ROOF OVER MASTER SUITE BELOW INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS, REFER TO STRUCTURAL ENGINEERS DETAILS
- GLAZED ROOF BELOW
- VOID IN ROOF BELOW
- GREEN ROOF
- GLAZED ROOF BELOW
- RAKED ROOF OVER STAIRS
- GREEN ROOF BELOW
- FLUE
- FIXED GLAZED ROOF OVER TERRACE BELOW INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS, REFER TO STRUCTURAL ENGINEERS DETAILS
- KNAUF INSULATION GREEN SOLUTIONS URBANSCAPE GREEN ROOF SYSTEM INSTALLED OVER ROOF STRUCTURE BELOW  
NOTE: GREEN ROOF SYSTEM, WATERPROOFING & DRAINAGE CONSTRUCTED IN ACCORDANCE WITH MANUFACTURERS DETAIL

**Dimensions (mm):**

- Overall width: 16,400
- Overall depth: 13,040
- Top left section: 5,290 (width), 1,790 (depth), 1,030 (width), 1,310 (depth)
- Top right section: 1,250 (width), 1,750 (depth), 1,125 (width)
- Left side: 2,700 (width), 5,760 (width), 2,810 (width), 1,090 (width), 1,000 (width), 1,200 (width)
- Right side: 4,740 (depth), 1,860 (width), 1,120 (width)
- Bottom left section: 2,380 (width), 270 (width), 1,100 (width), 1,100 (width), 270 (width)
- Bottom right section: 930 (width)

**Other Labels:**

- ROCK FACE
- TR(8S/0.4D/8H)
- 1 A400

Architectural drawing of a green roof layout, showing various zones, dimensions, and annotations.

**Annotations:**

- FIXED GLAZED ROOF OVER MASTER SUITE BELOW INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS, REFER TO STRUCTURAL ENGINEERS DETAILS
- ROCK FACE
- GLAZED ROOF BELOW
- GREEN ROOF
- VOID IN ROOF BELOW
- GLAZED ROOF BELOW
- RAKED ROOF OVER STAIRS
- GREEN ROOF BELOW
- FLUE
- FIXED GLAZED ROOF OVER TERRACE BELOW INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS, REFER TO STRUCTURAL ENGINEERS DETAILS
- KNAUF INSULATION GREEN SOLUTIONS URBANSCAPE GREEN ROOF SYSTEM INSTALLED OVER ROOF STRUCTURE BELOW  
NOTE: GREEN ROOF SYSTEM, WATERPROOFING & DRAINAGE CONSTRUCTED IN ACCORDANCE WITH MANUFACTURERS DETAIL

**Dimensions (mm):**

- Overall width: 1640, 5290, 1790, 1030, 1310
- Overall height: 4740, 1250, 1750, 1125
- Internal width segments: 270, 5760, 2810, 1090, 1000, 1200
- Internal height segments: 270, 5130, 270, 1100, 270
- Diagonal dimensions: 1860, 1120
- Other dimensions: 2380, 270, 13040, 930

**Other Features:**

- TR(8S/0.4D/8H)
- 1 A400
- ROCK FACE

**AVENUE ONE DESIGN**

**A:** 3/18 HUTCHINSON STREET  
SURREY HILLS, NSW

**P:** +612 9054 1234

**E:** [INFO@AVENUEONEDESIGN.COM.AU](mailto:INFO@AVENUEONEDESIGN.COM.AU)

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DATE  
26.06.2023

PROJECT NO.  
AO242

SCALE  
1:100@A3

CLIENT  
JASON & TANYA

PROJECT ADDRESS  
272 WHALE BEACH ROAD  
WHALE BEACH, NSW

DRAWING ISSUE	REVISION	DATE ISSUED
ISSUE FOR DA APPROVAL	F	22.12.2022
ISSUE FOR DA APPROVAL	G	23.12.2022
ISSUE FOR DA APPROVAL	H	30.01.2023
ISSUE FOR DA APPROVAL	I	22.05.2023
ISSUE FOR DA APPROVAL	J	26.05.2023
ISSUE FOR DA APPROVAL	K	20.06.2023
ISSUE FOR DA APPROVAL	L	22.06.2023

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ISSUE FOR DA APPROVAL	K	20.06.2023
ISSUE FOR DA APPROVAL	L	22.06.2023

DRAWING

PROPOSED PLANS

Roof: Proposed Plan

PROJECT

NEW BUILD

Whale Beach House

PROJECT STATUS  
DA APPROVAL

DRAWING ID  
A206

REVISION  
L

PROJECT STATUS  
DA APPROVAL

DRAWING ID  
A206

REVISION  
L



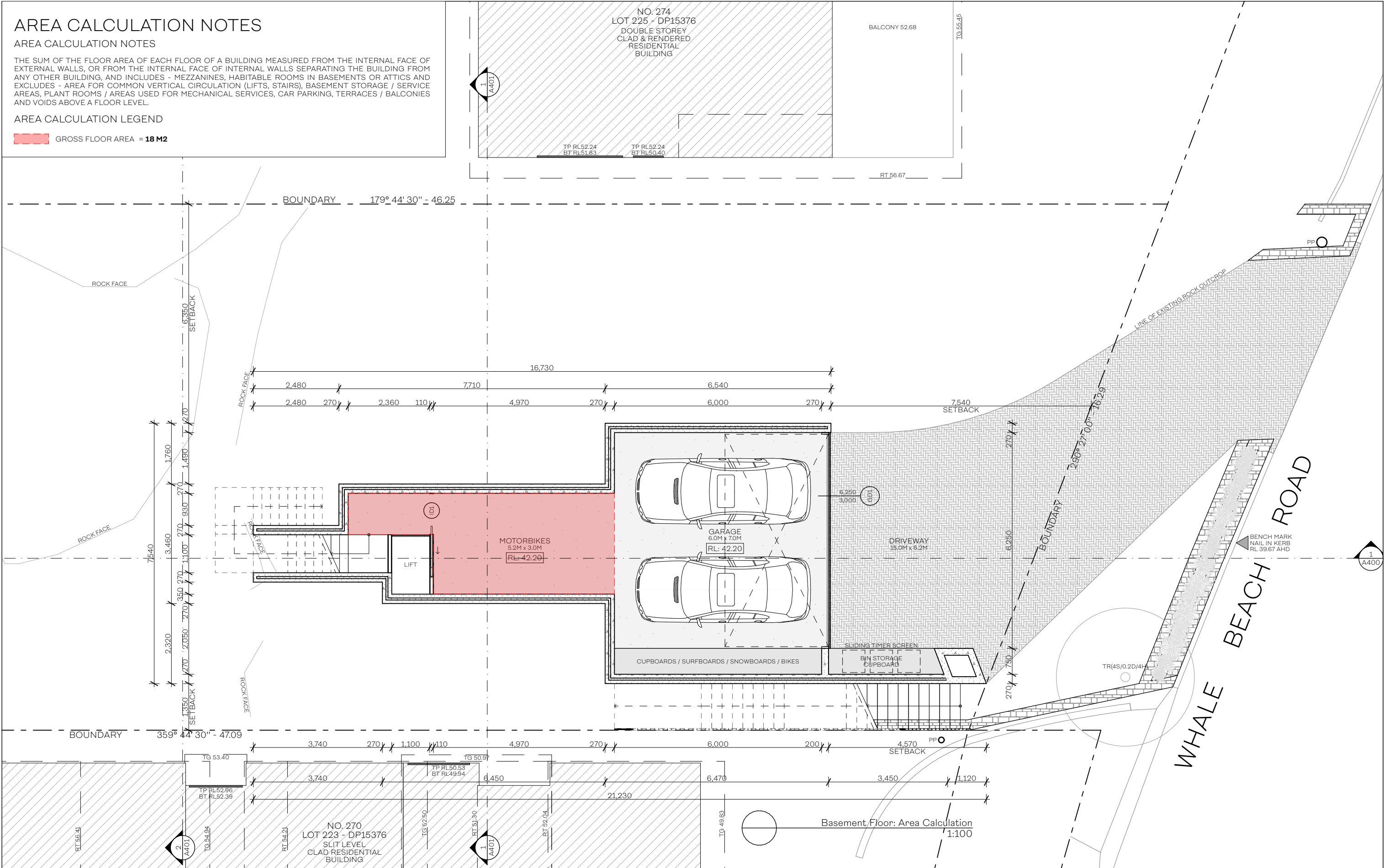
AREA CALCULATION NOTES

AREA CALCULATION NOTES

THE SUM OF THE FLOOR AREA OF EACH FLOOR OF A BUILDING MEASURED FROM THE INTERNAL FACE OF EXTERNAL WALLS, OR FROM THE INTERNAL FACE OF INTERNAL WALLS SEPARATING THE BUILDING FROM ANY OTHER BUILDING, AND INCLUDES - MEZZANINES, HABITABLE ROOMS IN BASEMENTS OR ATTICS AND EXCLUDES - AREA FOR COMMON VERTICAL CIRCULATION (LIFTS, STAIRS), BASEMENT STORAGE / SERVICE AREAS, PLANT ROOMS / AREAS USED FOR MECHANICAL SERVICES, CAR PARKING, TERRACES / BALCONIES AND VOIDS ABOVE A FLOOR LEVEL.

AREA CALCULATION LEGEND

GROSS FLOOR AREA = 18 M2



AVENUE  
ONE  
DESIGN

AVENUE ONE DESIGN

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AO242  
SCALE  
1:100@A3

CLIENT  
JASON & TANYA  
PROJECT ADDRESS  
272 WHALE BEACH ROAD  
WHALE BEACH, NSW

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ISSUE FOR DA APPROVAL	K	20.06.2023
ISSUE FOR DA APPROVAL	L	22.06.2023

DRAWING AREA CALCULATION PLANS  
**Basement: Area Calculation**  
PROJECT NEW BUILD  
**Whale Beach House**

PROJECT STATUS  
DA APPROVAL

DRAWING ID  
**A207**  
REVISION  
**L**

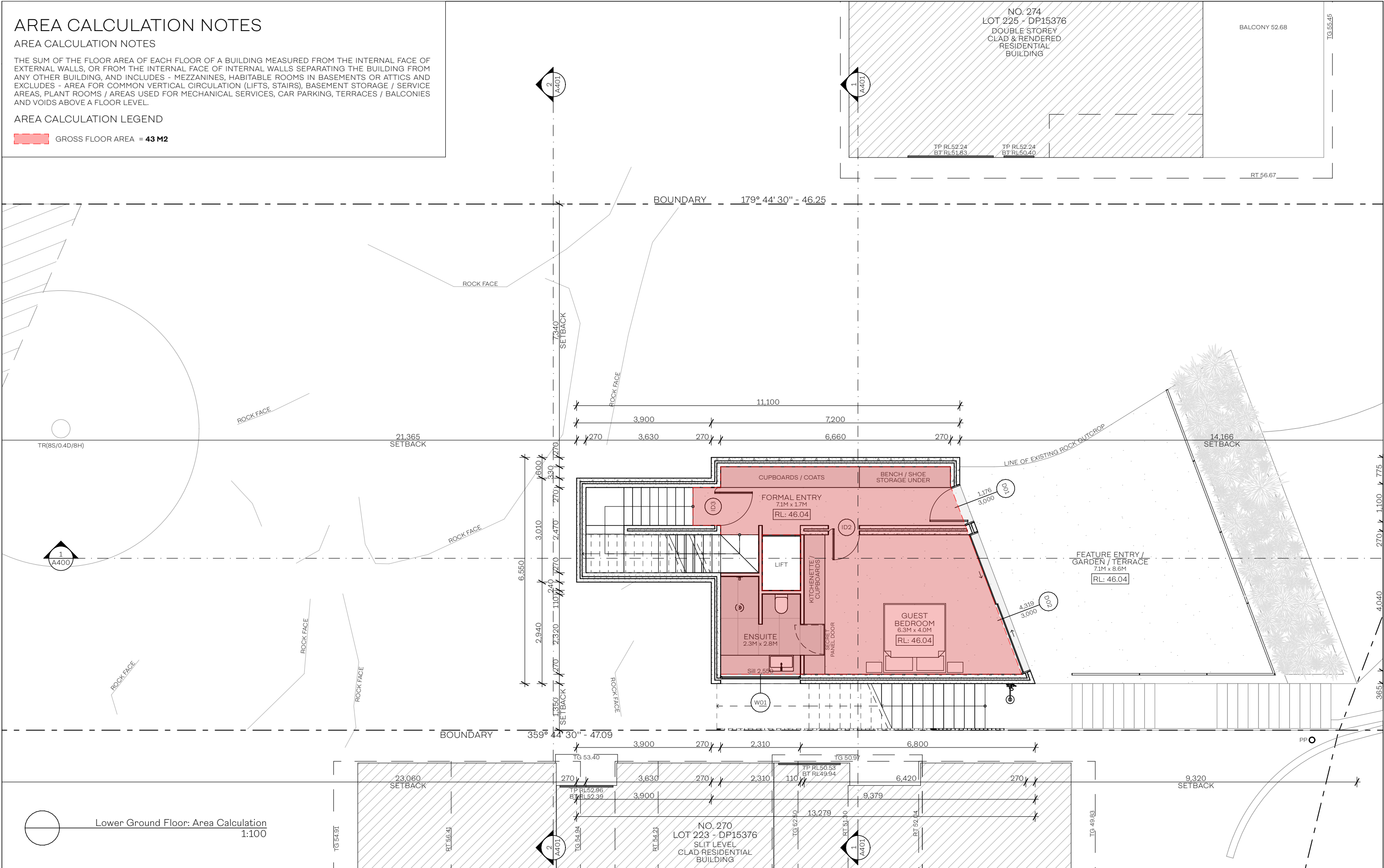
AREA CALCULATION NOTES

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AREA CALCULATION LEGEND

GROSS FLOOR AREA = 43 M2



AVENUE ONE DESIGN

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272 WHALE BEACH ROAD  
WHALE BEACH, NSW

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ISSUE FOR DA APPROVAL	K	20.06.2023
ISSUE FOR DA APPROVAL	L	22.06.2023

DRAWING  
AREA CALCULATION PLANS  
Lower Ground Floor: Area Calculation  
PROJECT  
NEW BUILD  
Whale Beach House

PROJECT STATUS  
DA APPROVAL

DRAWING ID  
A208  
REVISION  
L

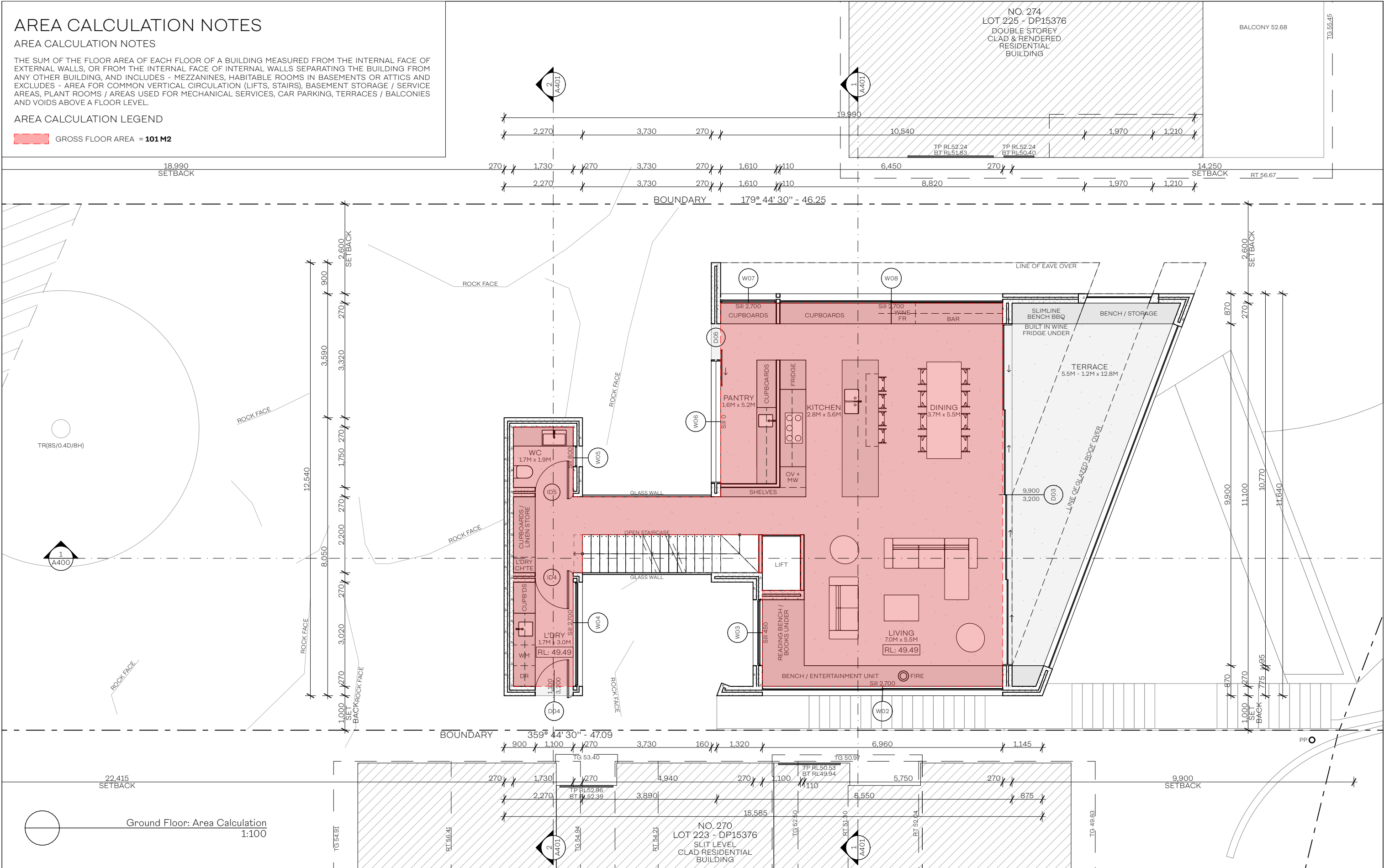
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AREA CALCULATION LEGEND

GROSS FLOOR AREA = 101 M2



AVENUE ONE DESIGN

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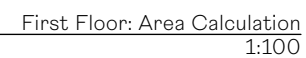
DRAWING  
AREA CALCULATION PLANS  
Ground Floor: Area Calculation  
PROJECT  
NEW BUILD  
Whale Beach House

PROJECT STATUS  
DA APPROVAL

DRAWING ID  
A209  
REVISION  
L



**GROSS FLOOR AREA = 88 M2**

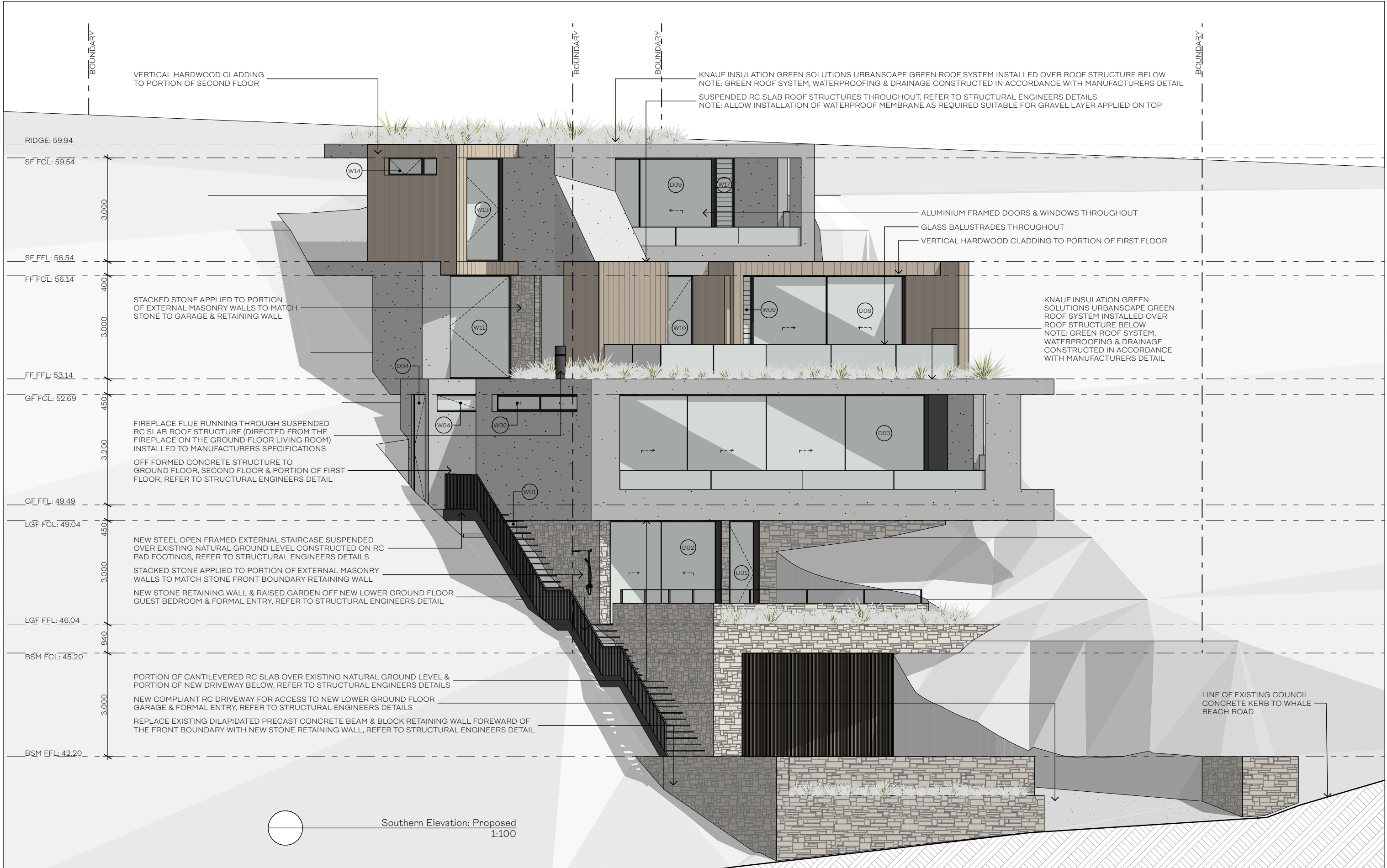


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**P:** +612 9054 1234  
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DRAWING ID	REVISION
A210	L





Southern Elevation: Proposed  
1:100

**AVENUE ONE DESIGN**

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DATE  
26.06.2023

PROJECT NO.  
AO242

SCALE  
1:100@A3

CLIENT  
JASON & TANYA

PROJECT ADDRESS  
272 WHALE BEACH ROAD  
WHALE BEACH, NSW

DRAWING ISSUE	REVISION	DATE ISSUED
ISSUE FOR DA APPROVAL	F	22.12.2022
ISSUE FOR DA APPROVAL	G	23.12.2022
ISSUE FOR DA APPROVAL	H	30.01.2023
ISSUE FOR DA APPROVAL	I	22.05.2023
ISSUE FOR DA APPROVAL	J	26.05.2023
ISSUE FOR DA APPROVAL	K	20.06.2023
ISSUE FOR DA APPROVAL	L	22.06.2023

DRAWING  
**Southern Elevation: Proposed**

PROPOSED ELEVATIONS

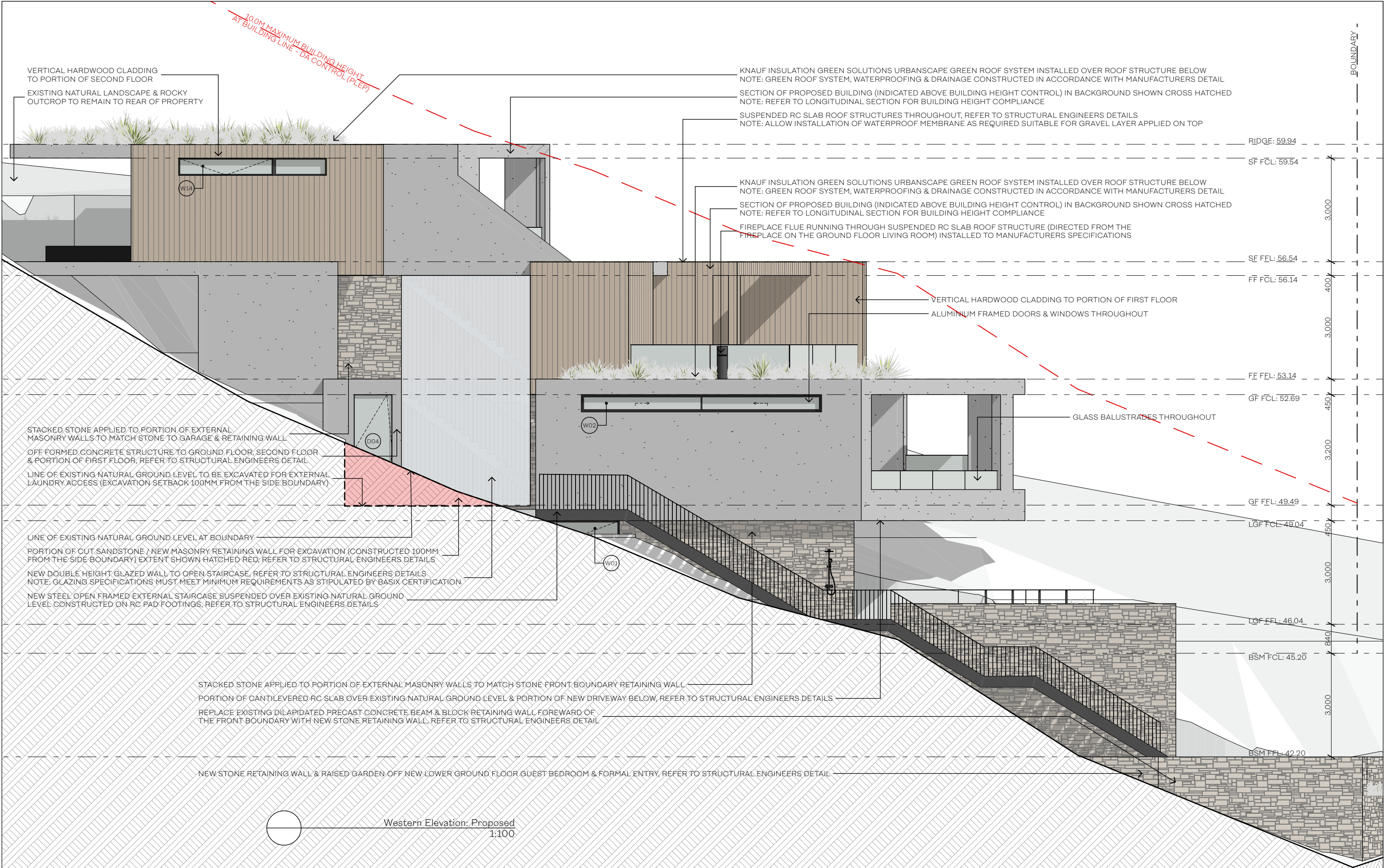
PROJECT  
NEW BUILD  
**Whale Beach House**

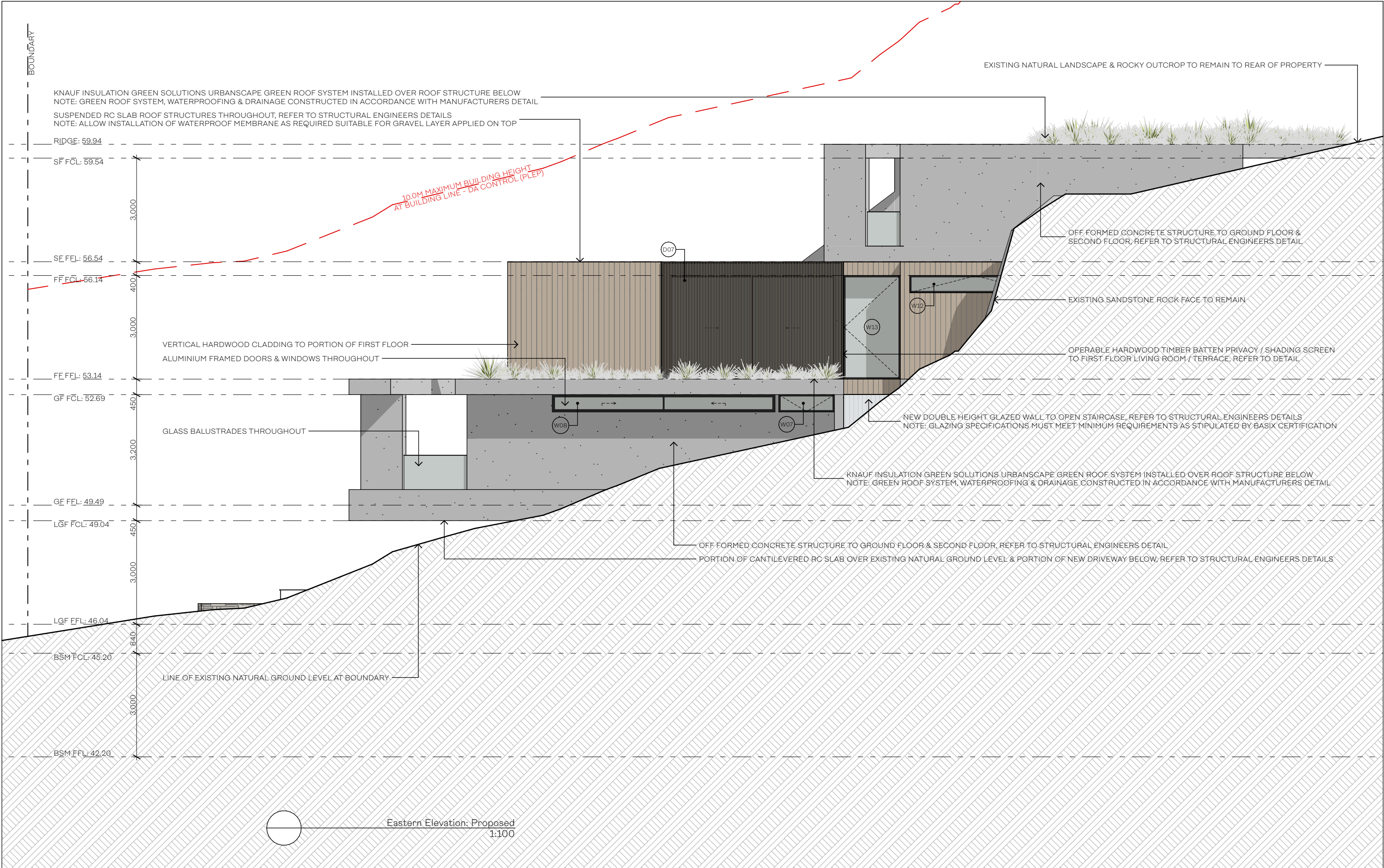
PROJECT STATUS  
DA APPROVAL

DRAWING ID  
**A300**

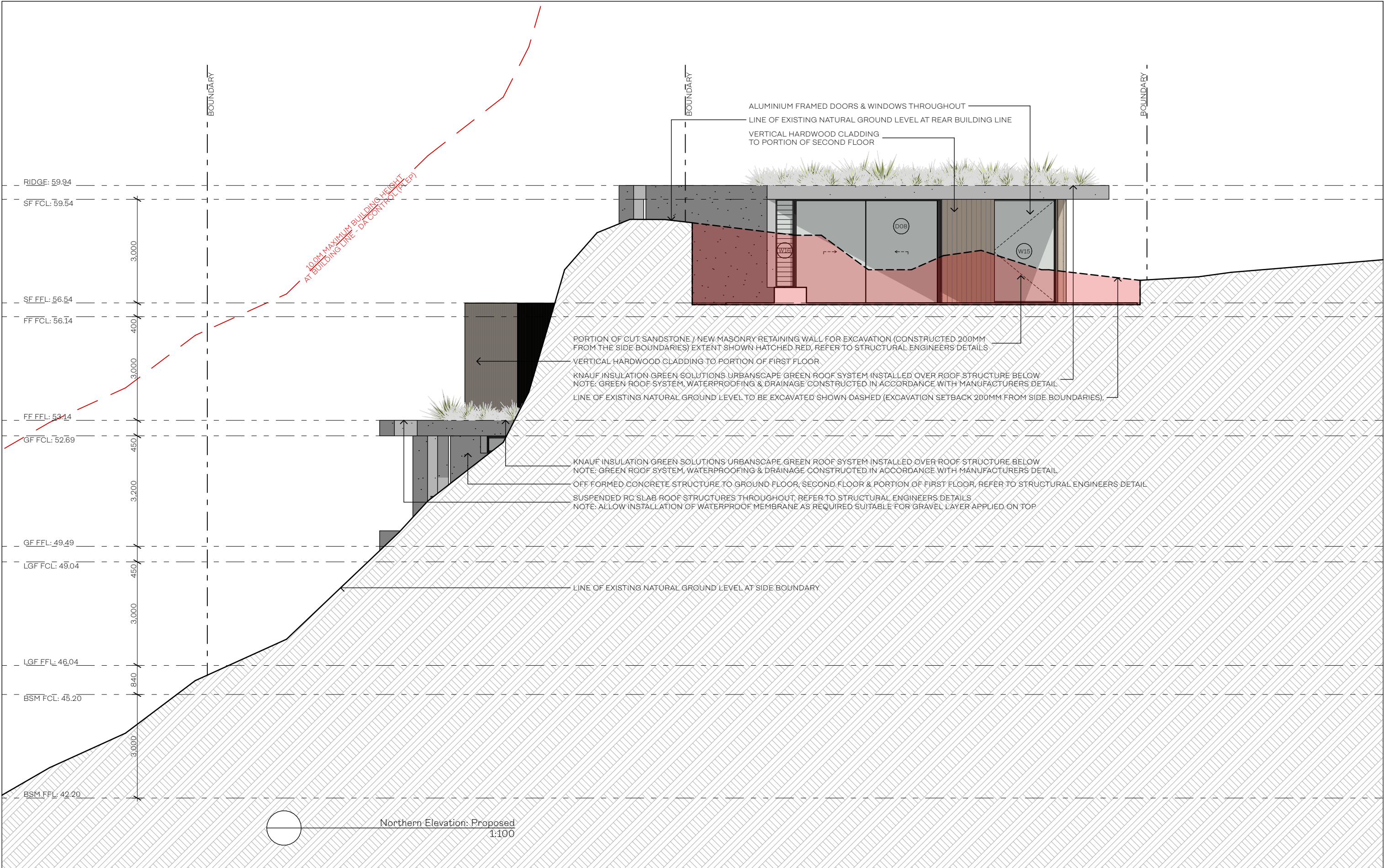
REVISION  
**L**



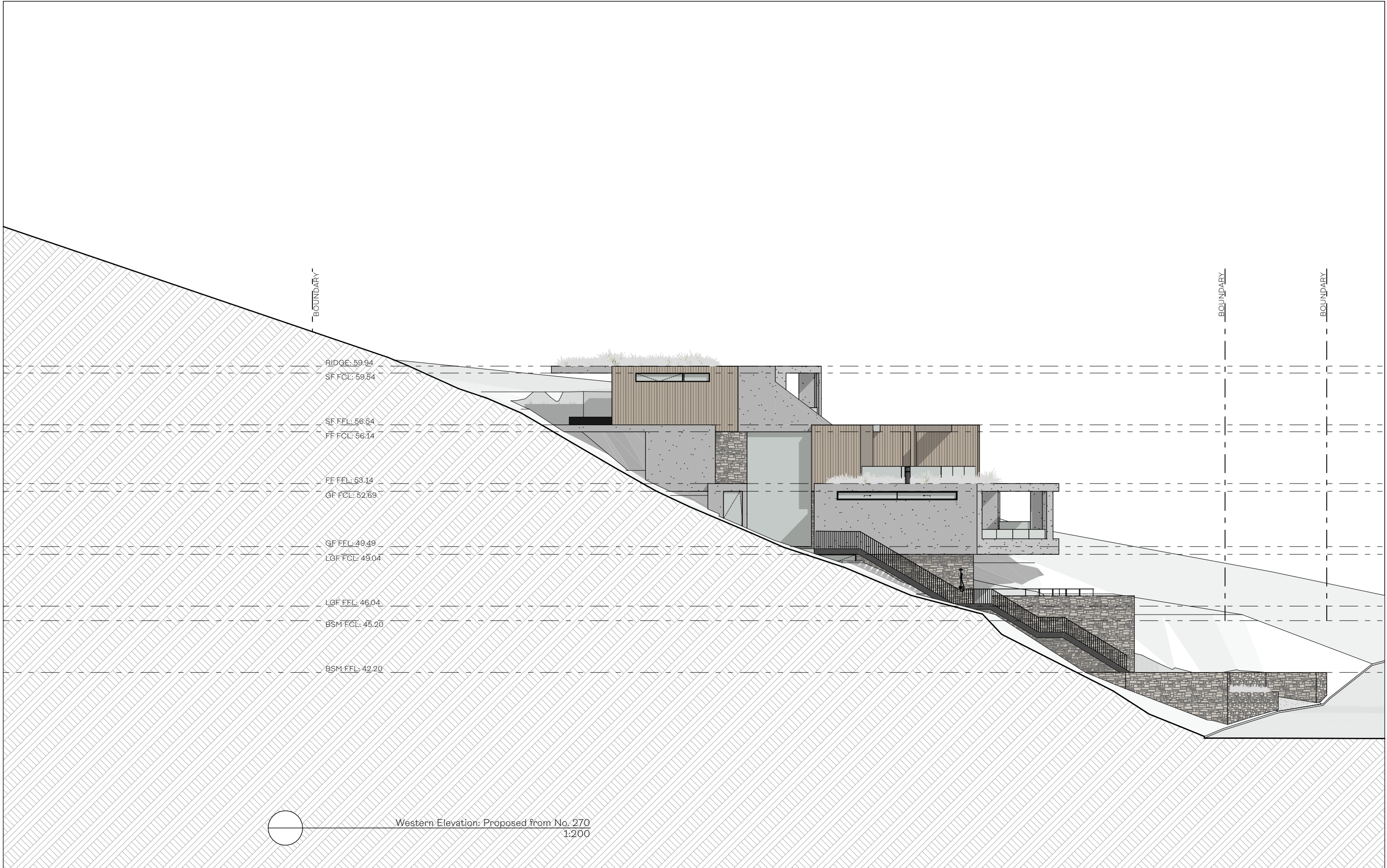












Western Elevation: Proposed from No. 270  
1:200



AVENUE  
ONE  
DESIGN

AVENUE ONE DESIGN

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DATE  
26.06.2023

PROJECT NO.  
AO242

SCALE  
1:200@A3

CLIENT  
JASON & TANYA

PROJECT ADDRESS  
272 WHALE BEACH ROAD  
WHALE BEACH, NSW

DRAWING ISSUE	REVISION	DATE ISSUED
ISSUE FOR DA APPROVAL	F	22.12.2022
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ISSUE FOR DA APPROVAL	J	26.05.2023
ISSUE FOR DA APPROVAL	K	20.06.2023
ISSUE FOR DA APPROVAL	L	22.06.2023

DRAWING  
Western Elevation: View from No. 270

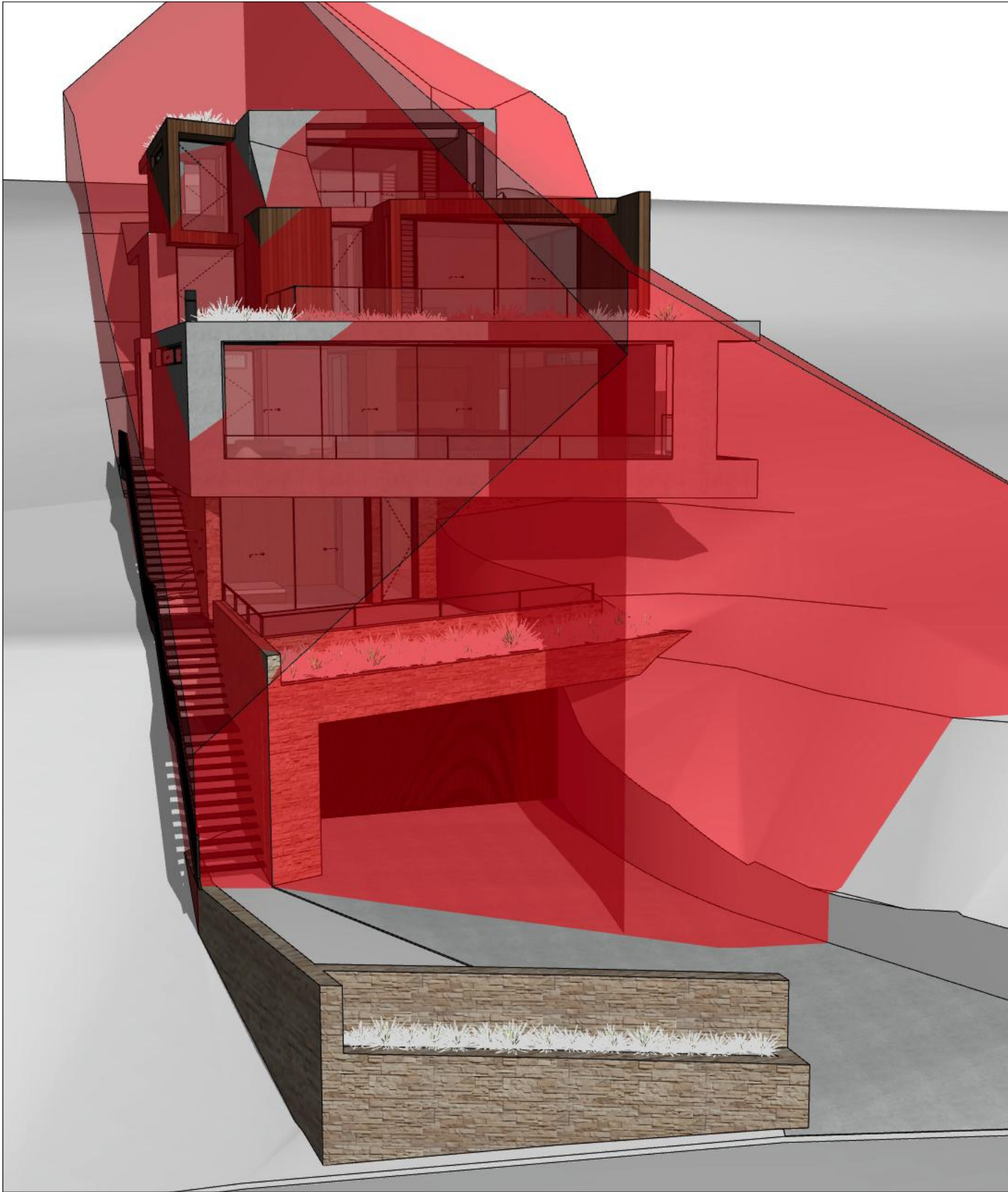
PROJECT  
NEW BUILD  
WHALE BEACH HOUSE

PROJECT STATUS  
DA APPROVAL

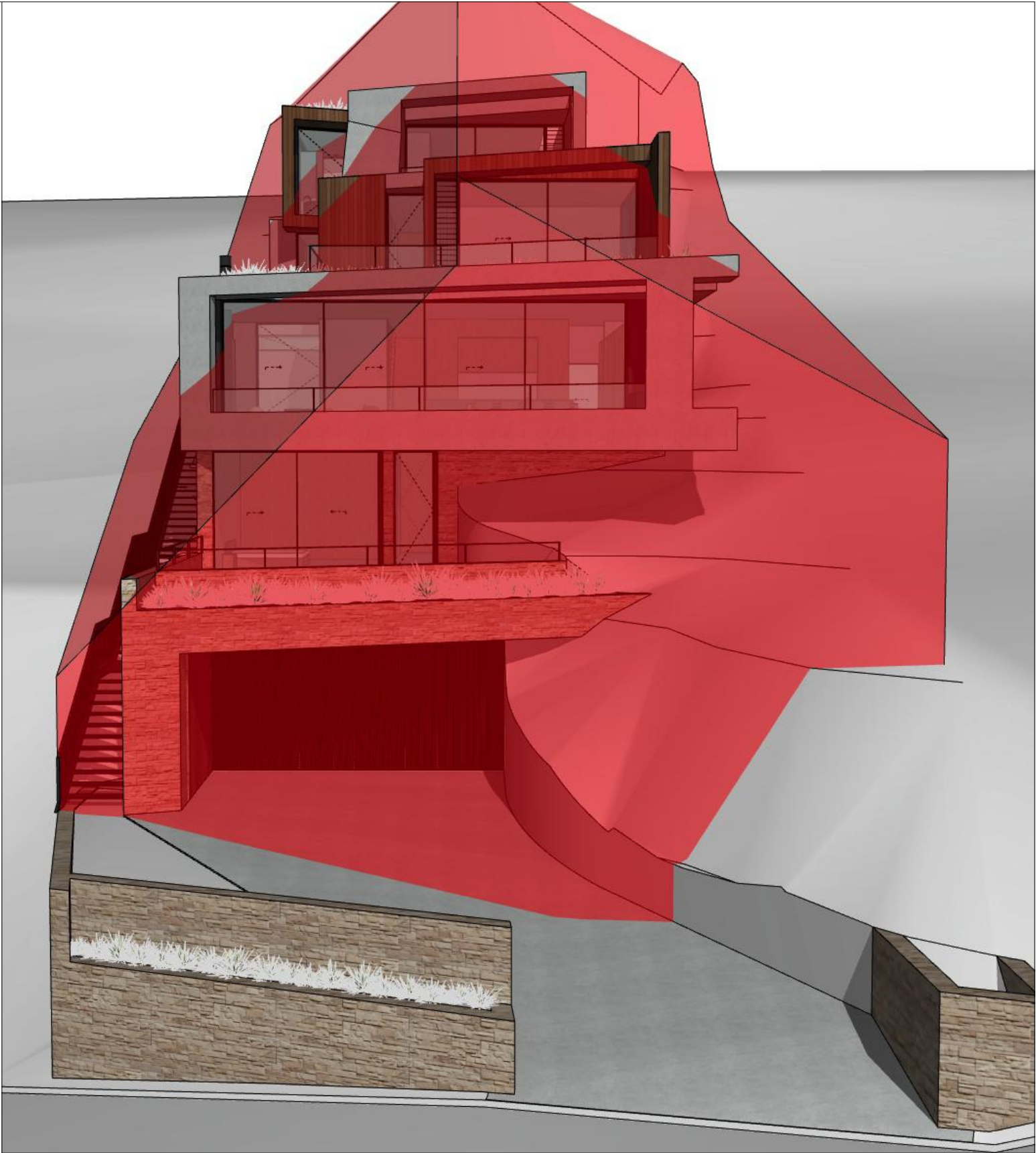
DRAWING ID  
A304

REVISION  
L






Building Envelope A



Building Envelope B



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DATE  
26.06.2023

PROJECT NO.  
AO242

SCALE  
@A3

CLIENT  
JASON & TANYA

PROJECT ADDRESS  
272 WHALE BEACH ROAD  
WHALE BEACH, NSW

DRAWING ISSUE	REVISION	DATE ISSUED
ISSUE FOR DA APPROVAL	F	22.12.2022
ISSUE FOR DA APPROVAL	G	23.12.2022
ISSUE FOR DA APPROVAL	H	30.01.2023
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ISSUE FOR DA APPROVAL	J	26.05.2023
ISSUE FOR DA APPROVAL	K	20.06.2023
ISSUE FOR DA APPROVAL	L	22.06.2023

DRAWING

PROPOSED ELEVATIONS

Building Envelope Diagram

PROJECT

NEW BUILD

Whale Beach House

PROJECT STATUS

DA APPROVAL

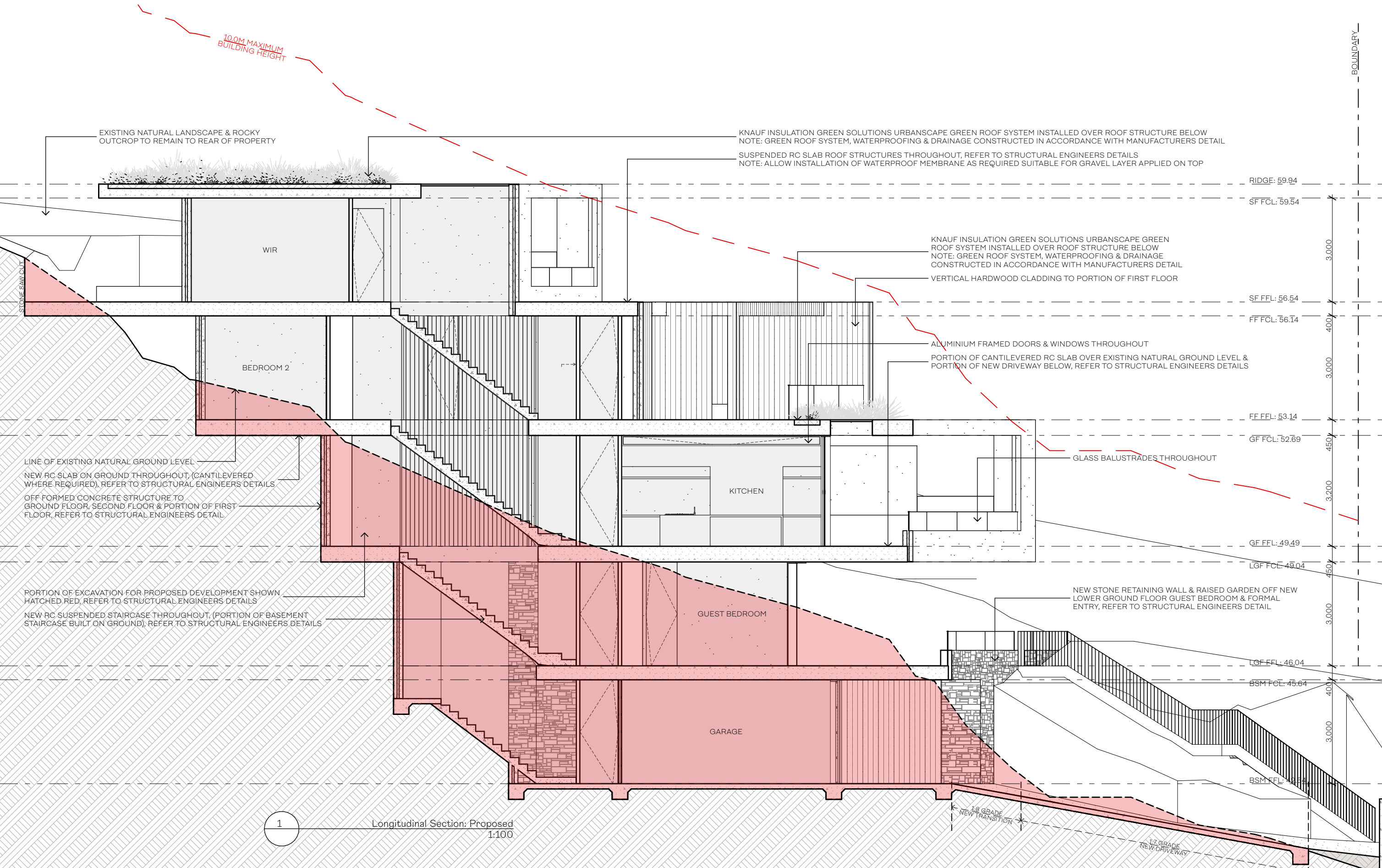
DRAWING ID


REVISION

A305

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DATE  
23.12.2022

PROJECT NO.  
AO242

SCALE  
1:100@A3

CLIENT  
JASON & TANYA

PROJECT ADDRESS  
272 WHALE BEACH ROAD  
WHALE BEACH, NSW

DRAWING ISSUE	REVISION	DATE ISSUED
ISSUE FOR PRE. CONCEPT	A	29.08.2022
ISSUE FOR PRE. CONCEPT	B	19.09.2022
ISSUE FOR CONCEPT	C	21.09.2022
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ISSUE FOR DA APPROVAL	E	20.12.2022
ISSUE FOR DA APPROVAL	F	22.12.2022
ISSUE FOR DA APPROVAL	G	23.12.2022

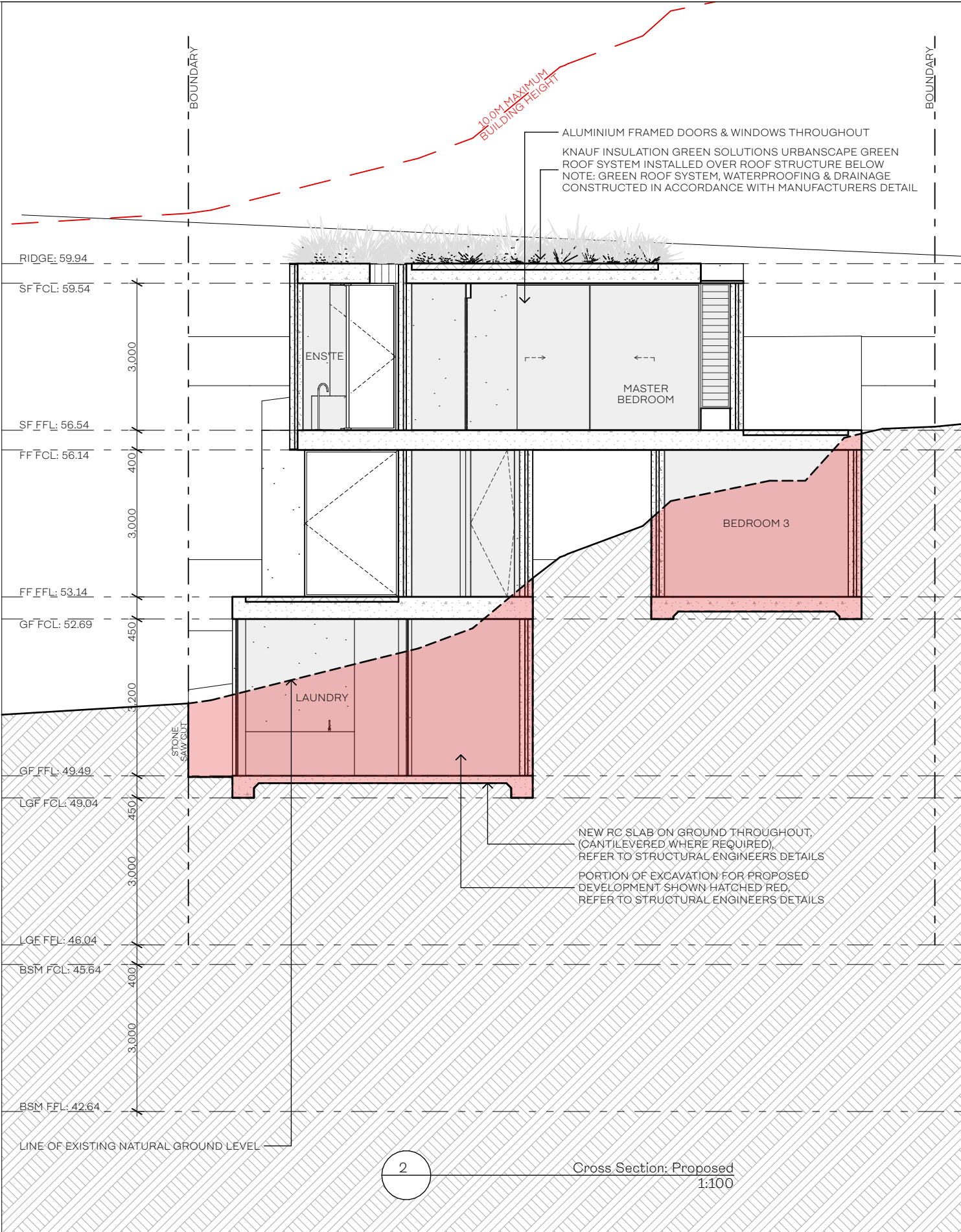
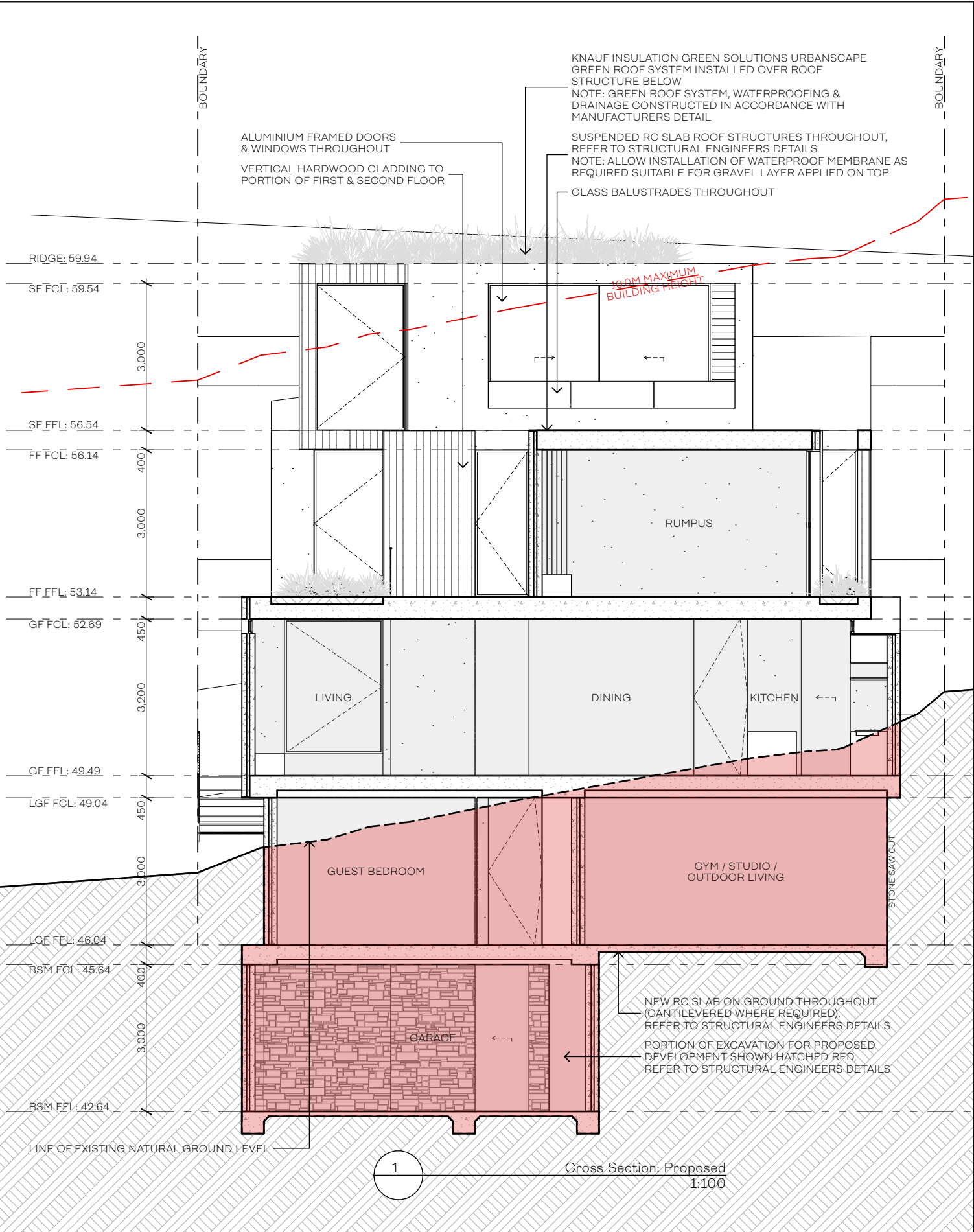
DRAWING	PROPOSED SECTIONS
PROJECT	NEW BUILD
Longitudinal Section: Proposed	
Whale Beach House	

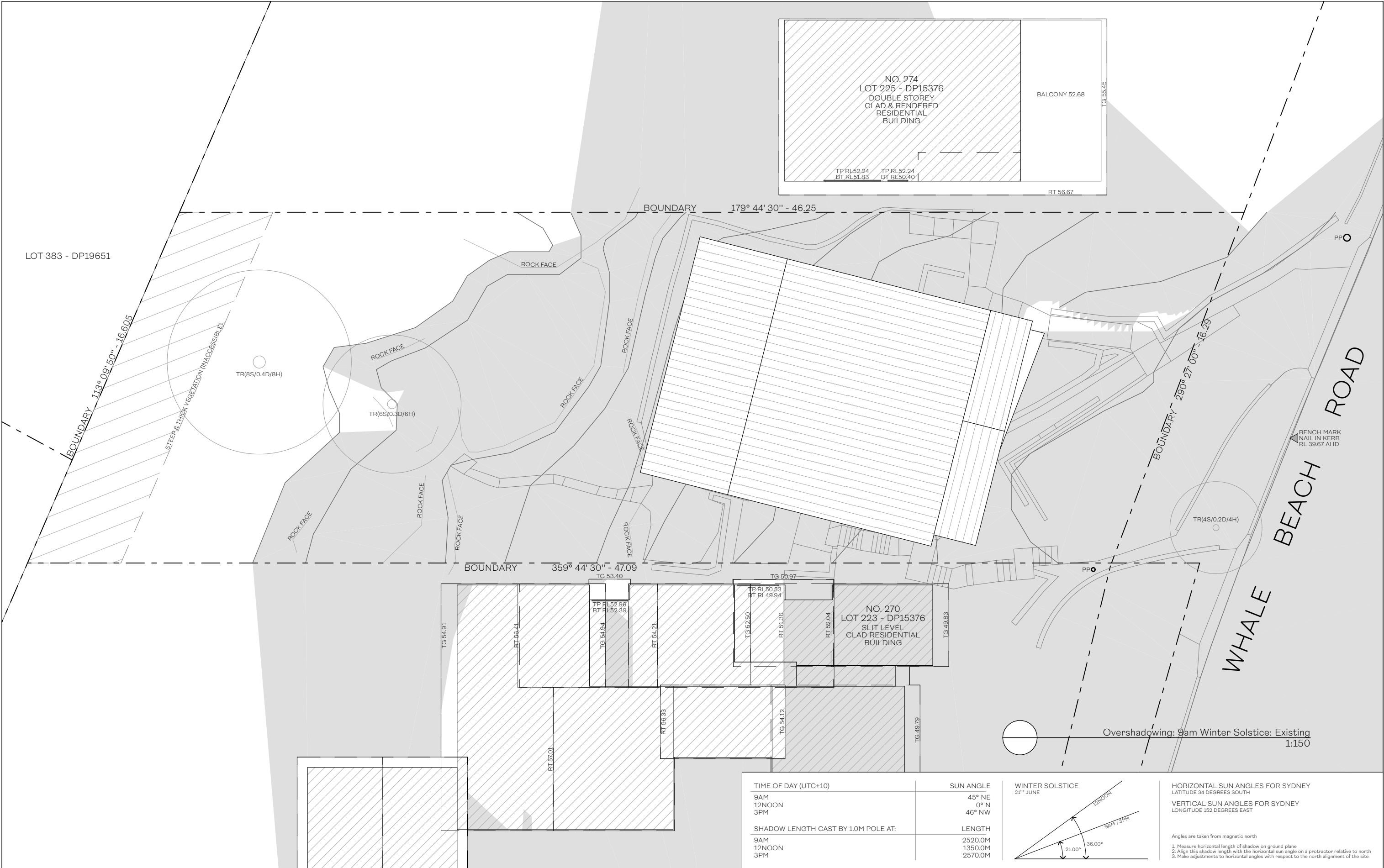
PROJECT STATUS  
DA APPROVAL

DRAWING ID  
A400

REVISION  
G







TIME OF DAY (UTC+10)		SUN ANGLE		WINTER SOLSTICE 21 <sup>ST</sup> JUNE		HORIZONTAL SUN ANGLES FOR SYDNEY LATITUDE 34 DEGREES SOUTH			
9AM			45° NE			VERTICAL SUN ANGLES FOR SYDNEY LONGITUDE 152 DEGREES EAST			
12NOON			0° N						
3PM			46° NW						
SHADOW LENGTH CAST BY 1.0M POLE AT:		LENGTH							
9AM			2520.0M						
12NOON			1350.0M						
3PM			2570.0M						

**AVENUE ONE DESIGN**  
  
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DATE  
23.12.2022

PROJECT NO.  
AO242

SCALE  
@A3

CLIENT  
JASON & TANYA

PROJECT ADDRESS  
272 WHALE BEACH ROAD  
WHALE BEACH, NSW

DRAWING ISSUE	REVISION	DATE ISSUED
ISSUE FOR PRE. CONCEPT	A	29.08.2022
ISSUE FOR PRE. CONCEPT	B	19.09.2022
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ISSUE FOR DA APPROVAL	E	20.12.2022
ISSUE FOR DA APPROVAL	F	22.12.2022
ISSUE FOR DA APPROVAL	G	23.12.2022

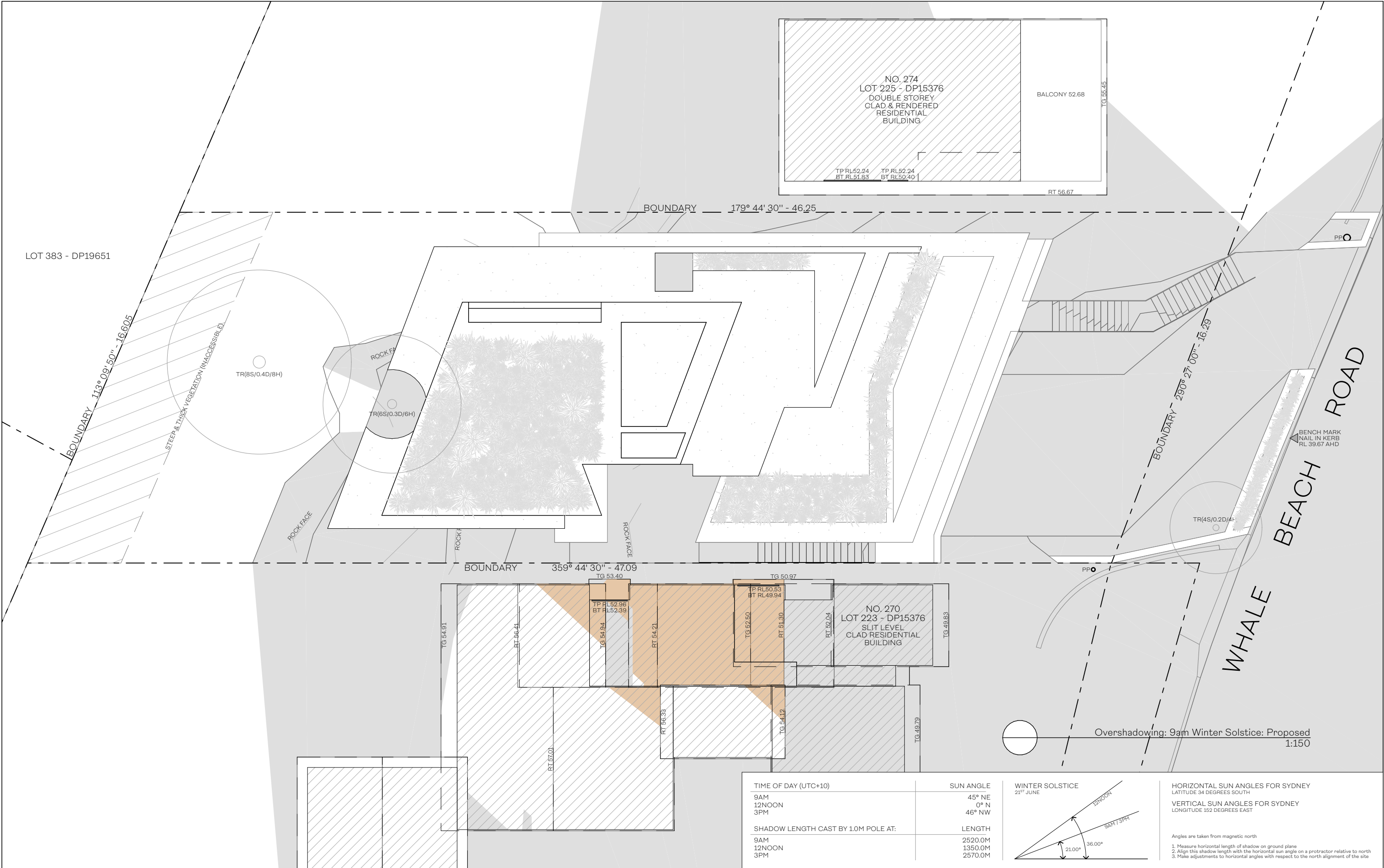
DRAWING  
**Overshadowing: 9am Winter Solstice**

PROJECT  
NEW BUILD  
**WHALE BEACH HOUSE**

PROJECT STATUS  
DA APPROVAL

DRAWING ID  
**A501**

REVISION  
**G**



TIME OF DAY (UTC+10)		SUN ANGLE		WINTER SOLSTICE 21 <sup>ST</sup> JUNE		HORIZONTAL SUN ANGLES FOR SYDNEY LATITUDE 34 DEGREES SOUTH	
9AM		45° NE				VERTICAL SUN ANGLES FOR SYDNEY LONGITUDE 152 DEGREES EAST	
12NOON		0° N					
3PM		46° NW					
SHADOW LENGTH CAST BY 1.0M POLE AT:		LENGTH					
9AM		2520.0M					
12NOON		1350.0M					
3PM		2570.0M					

**AVENUE ONE DESIGN**  
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DATE  
23.12.2022

PROJECT NO.  
AO242

SCALE  
@A3

CLIENT  
JASON & TANYA

PROJECT ADDRESS  
272 WHALE BEACH ROAD  
WHALE BEACH, NSW

DRAWING ISSUE	REVISION	DATE ISSUED
ISSUE FOR PRE. CONCEPT	A	29.08.2022
ISSUE FOR PRE. CONCEPT	B	19.09.2022
ISSUE FOR CONCEPT	C	21.09.2022
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ISSUE FOR DA APPROVAL	E	20.12.2022
ISSUE FOR DA APPROVAL	F	22.12.2022
ISSUE FOR DA APPROVAL	G	23.12.2022

DRAWING  
**Overshadowing: 9am Winter Solstice**

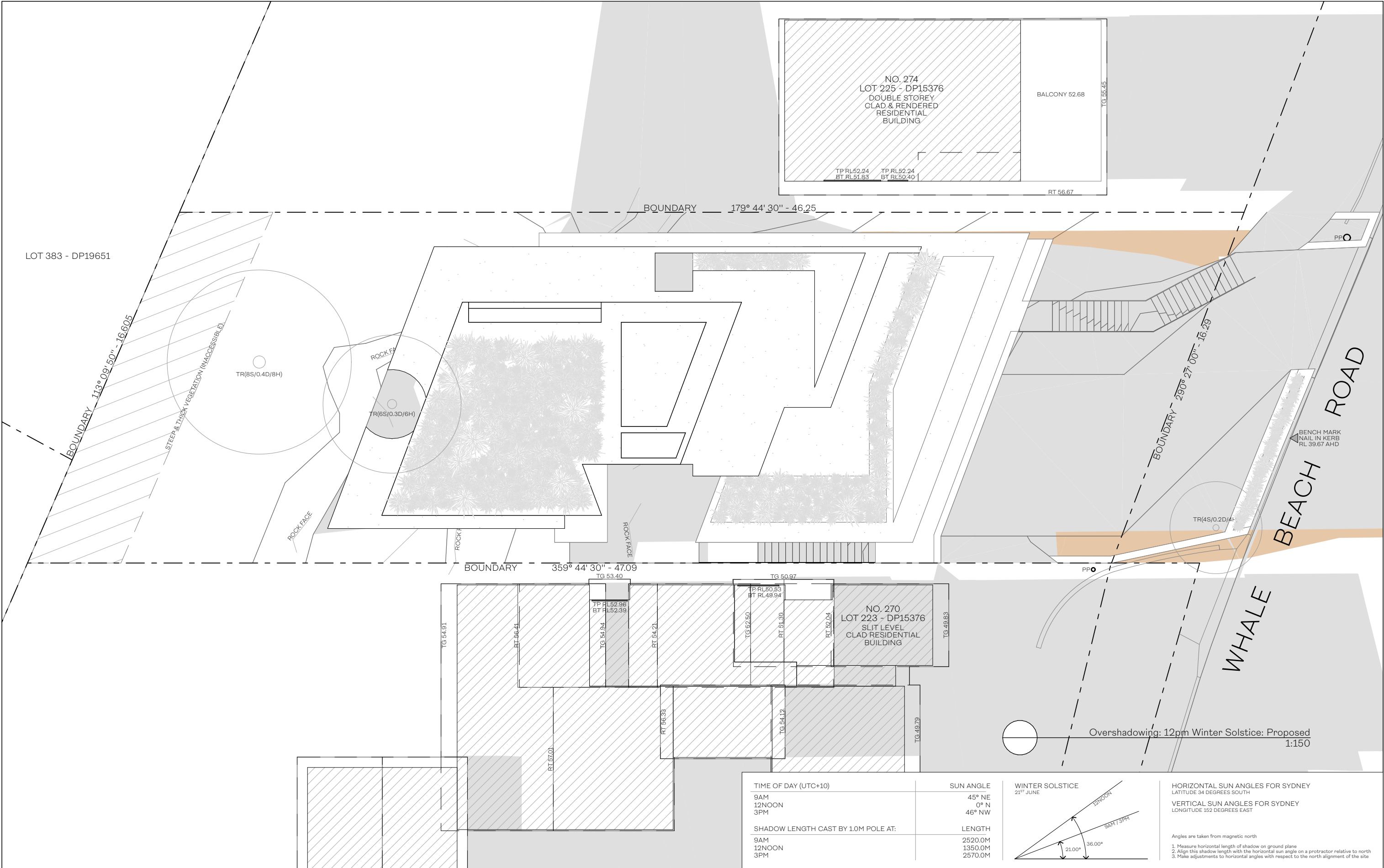
PROJECT  
NEW BUILD  
**Whale Beach House**


PROJECT STATUS  
DA APPROVAL

DRAWING ID  
**A502**

REVISION  
**G**







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DATE  
23.12.2022

PROJECT NO.  
AO242

SCALE  
@A3

CLIENT  
JASON & TANYA

PROJECT ADDRESS  
272 WHALE BEACH ROAD  
WHALE BEACH, NSW

DRAWING ISSUE	REVISION	DATE ISSUED
ISSUE FOR PRE. CONCEPT	A	29.08.2022
ISSUE FOR PRE. CONCEPT	B	19.09.2022
ISSUE FOR CONCEPT	C	21.09.2022
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ISSUE FOR DA APPROVAL	F	22.12.2022
ISSUE FOR DA APPROVAL	G	23.12.2022

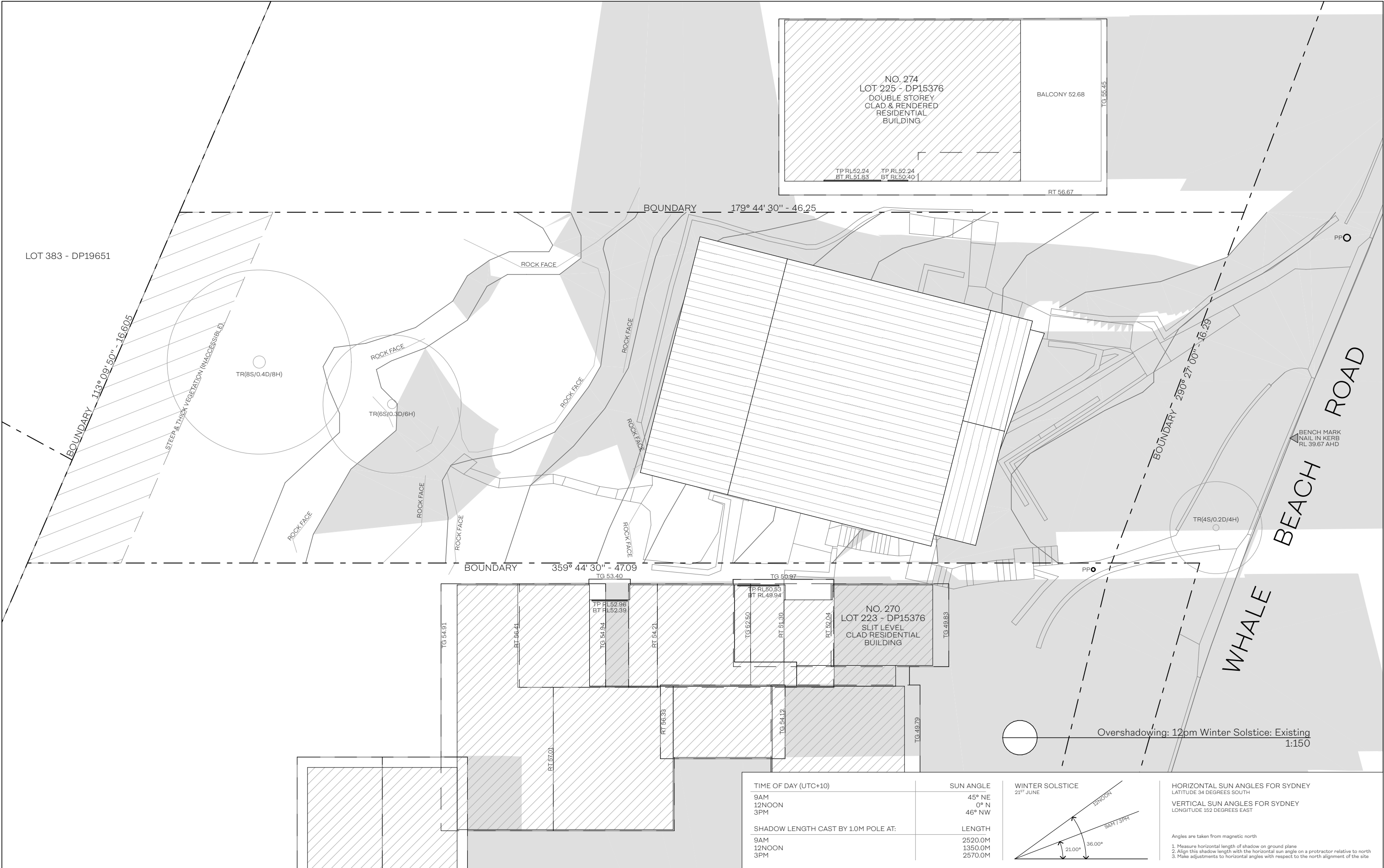
DRAWING  
OVERSHADOWING PLANS  
**Overshadowing: 12pm Winter Solstice**

PROJECT  
NEW BUILD  
**Whale Beach House**

PROJECT STATUS  
DA APPROVAL

DRAWING ID  
**A504**

REVISION  
**G**



TIME OF DAY (UTC+10)		SUN ANGLE	<div>WINTER SOLSTICE 21<sup>ST</sup> JUNE</div>
9AM		45° NE	
12NOON		0° N	
3PM		46° NW	
SHADOW LENGTH CAST BY 1.0M POLE AT:		LENGTH	<div>HORIZONTAL SUN ANGLES FOR SYDNEY LATITUDE 34 DEGREES SOUTH</div> <div>VERTICAL SUN ANGLES FOR SYDNEY LONGITUDE 152 DEGREES EAST</div> <div>Angles are taken from magnetic north</div> <div>1. Measure horizontal length of shadow on ground plane</div> <div>2. Align this shadow length with the horizontal sun angle on a protractor relative to north</div> <div>3. Make adjustments to horizontal angles with respect to the north alignment of the site</div>
9AM		2520.0M	
12NOON		1350.0M	
3PM		2570.0M	

**AVENUE ONE DESIGN**  
A: 3/18 HUTCHINSON STREET  
SURRY HILLS, NSW  
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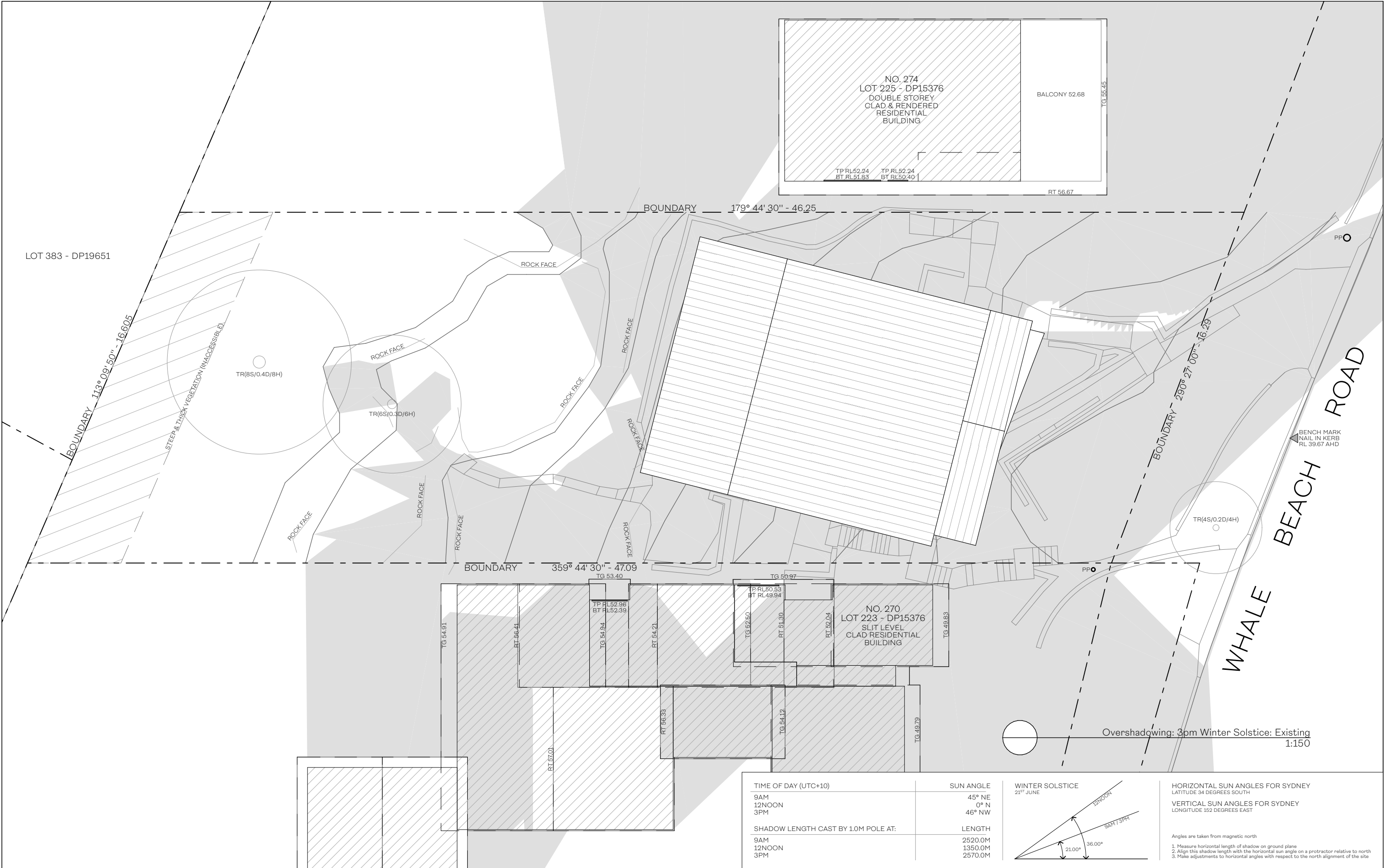
DATE  
23.12.2022  
PROJECT NO.  
AO242  
SCALE  
@A3

CLIENT  
JASON & TANYA  
PROJECT ADDRESS  
272 WHALE BEACH ROAD  
WHALE BEACH, NSW

DRAWING ISSUE	REVISION	DATE ISSUED
ISSUE FOR PRE. CONCEPT	A	29.08.2022
ISSUE FOR PRE. CONCEPT	B	19.09.2022
ISSUE FOR CONCEPT	C	21.09.2022
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ISSUE FOR DA APPROVAL	E	20.12.2022
ISSUE FOR DA APPROVAL	F	22.12.2022
ISSUE FOR DA APPROVAL	G	23.12.2022

DRAWING  
**Overshadowing: 12pm Winter Solstice**  
PROJECT  
NEW BUILD  
**Whale Beach House**

PROJECT STATUS  
DA APPROVAL  
DRAWING ID  
A503  
REVISION  
G



TIME OF DAY (UTC+10)		SUN ANGLE	<div>WINTER SOLSTICE 21<sup>ST</sup> JUNE</div>
9AM		45° NE	
12NOON		0° N	
3PM		46° NW	
SHADOW LENGTH CAST BY 1.0M POLE AT:		LENGTH	<div>HORIZONTAL SUN ANGLES FOR SYDNEY LATITUDE 34 DEGREES SOUTH</div> <div>VERTICAL SUN ANGLES FOR SYDNEY LONGITUDE 152 DEGREES EAST</div> <p>Angles are taken from magnetic north</p> <ol style="list-style-type: none"><li>Measure horizontal length of shadow on ground plane</li><li>Align this shadow length with the horizontal sun angle on a protractor relative to north</li><li>Make adjustments to horizontal angles with respect to the north alignment of the site</li></ol>
9AM		2520.0M	
12NOON		1350.0M	
3PM		2570.0M	




**AVENUE ONE DESIGN**

**A:** 3/18 HUTCHINSON STREET  
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DATE  
23.12.2022

PROJECT NO.  
AO242

SCALE  
@A3

CLIENT  
JASON & TANYA

PROJECT ADDRESS  
272 WHALE BEACH ROAD  
WHALE BEACH, NSW

DRAWING ISSUE	REVISION	DATE ISSUED
ISSUE FOR PRE. CONCEPT	A	29.08.2022
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ISSUE FOR DA APPROVAL	F	22.12.2022
ISSUE FOR DA APPROVAL	G	23.12.2022

DRAWING  
**Overshadowing: 3pm Winter Solstice**

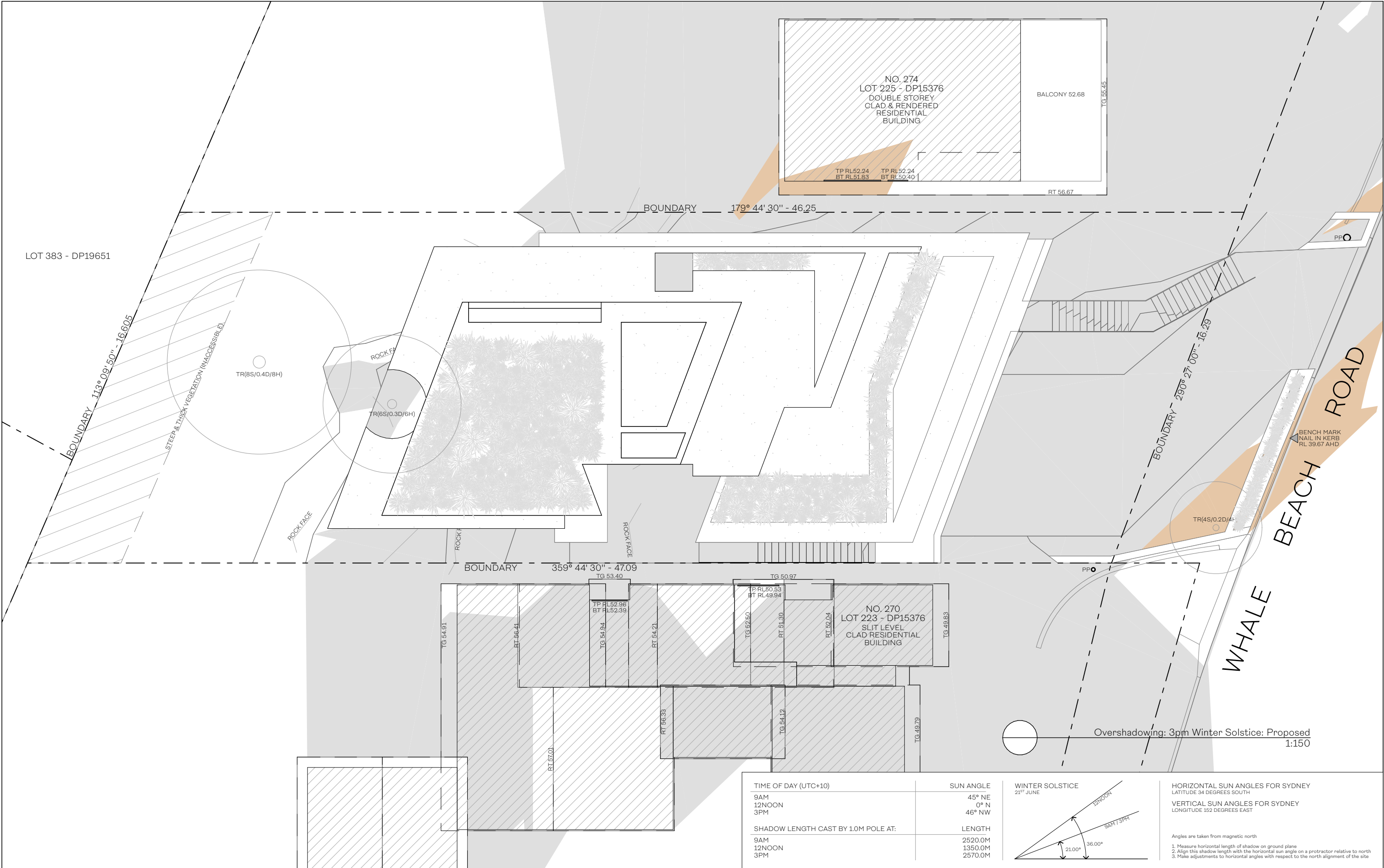
PROJECT  
NEW BUILD  
**Whale Beach House**

PROJECT STATUS  
DA APPROVAL

DRAWING ID  
**A505**

REVISION  
**G**





TIME OF DAY (UTC+10)		SUN ANGLE		WINTER SOLSTICE 21 <sup>ST</sup> JUNE		HORIZONTAL SUN ANGLES FOR SYDNEY LATITUDE 34 DEGREES SOUTH			
9AM			45° NE			VERTICAL SUN ANGLES FOR SYDNEY LONGITUDE 152 DEGREES EAST			
12NOON			0° N						
3PM			46° NW						
SHADOW LENGTH CAST BY 1.0M POLE AT:		LENGTH							
9AM			2520.0M						
12NOON			1350.0M						
3PM			2570.0M						

Angles are taken from magnetic north

1. Measure horizontal length of shadow on ground plane
2. Align this shadow length with the horizontal sun angle on a protractor relative to north
3. Make adjustments to horizontal angles with respect to the north alignment of the site

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SCALE  
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CLIENT  
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272 WHALE BEACH ROAD  
WHALE BEACH, NSW

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ISSUE FOR DA APPROVAL	G	23.12.2022

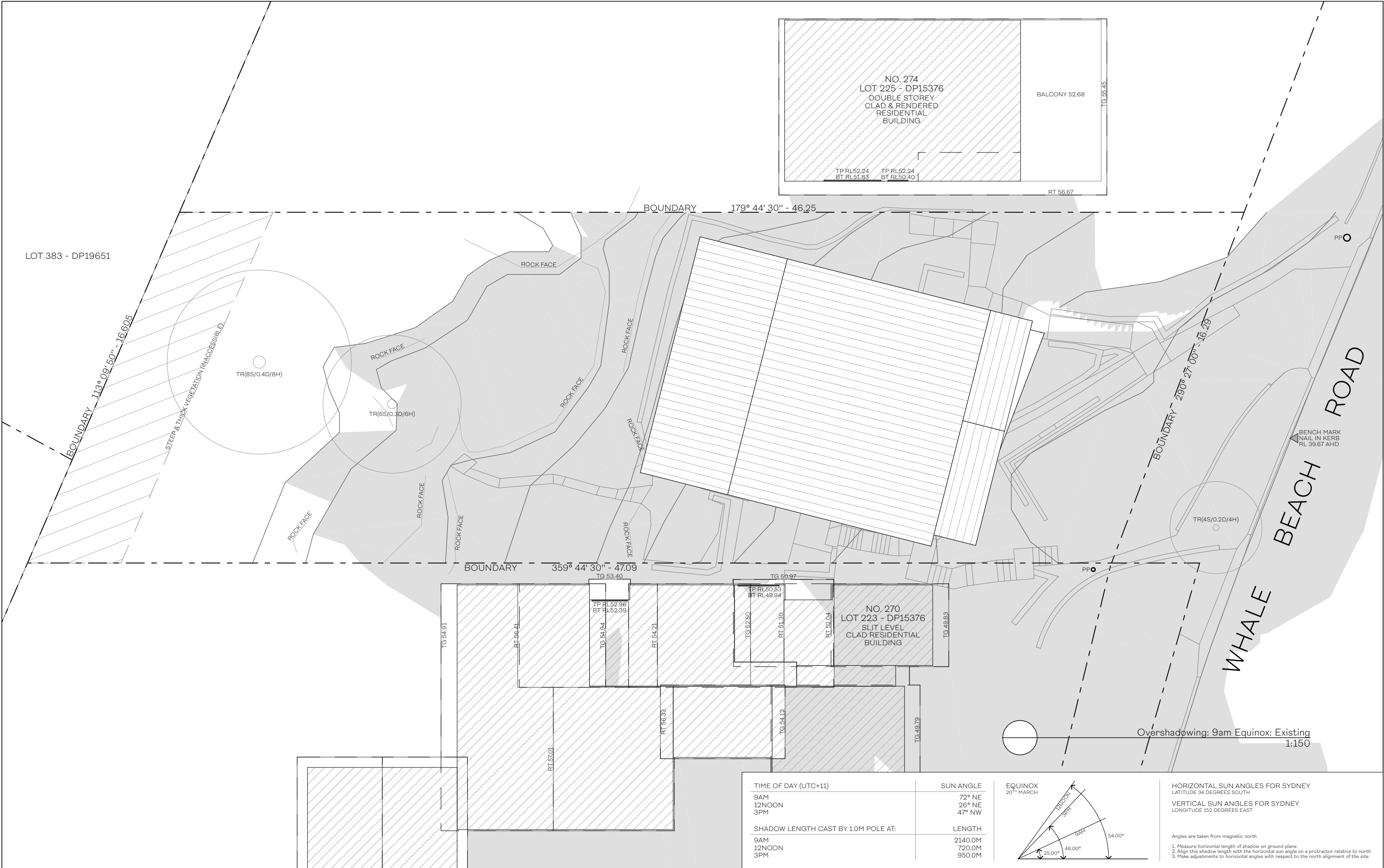
DRAWING  
**Overshadowing: 3pm Winter Solstice**


PROJECT  
NEW BUILD  
**Whale Beach House**

PROJECT STATUS  
DA APPROVAL

DRAWING ID  
**A506**

REVISION  
**G**





**AVENUE ONE DESIGN**

**A:** 3/18 HUTCHINSON STREET  
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DATE  
23.12.2022

PROJECT NO.  
AO242

SCALE  
@A3

CLIENT  
JASON & TANYA

PROJECT ADDRESS  
272 WHALE BEACH ROAD  
WHALE BEACH, NSW

DRAWING ISSUE	REVISION	DATE ISSUED
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ISSUE FOR DA APPROVAL	F	22.12.2022
ISSUE FOR DA APPROVAL	G	23.12.2022

DRAWING OVERSHADOWING PLANS

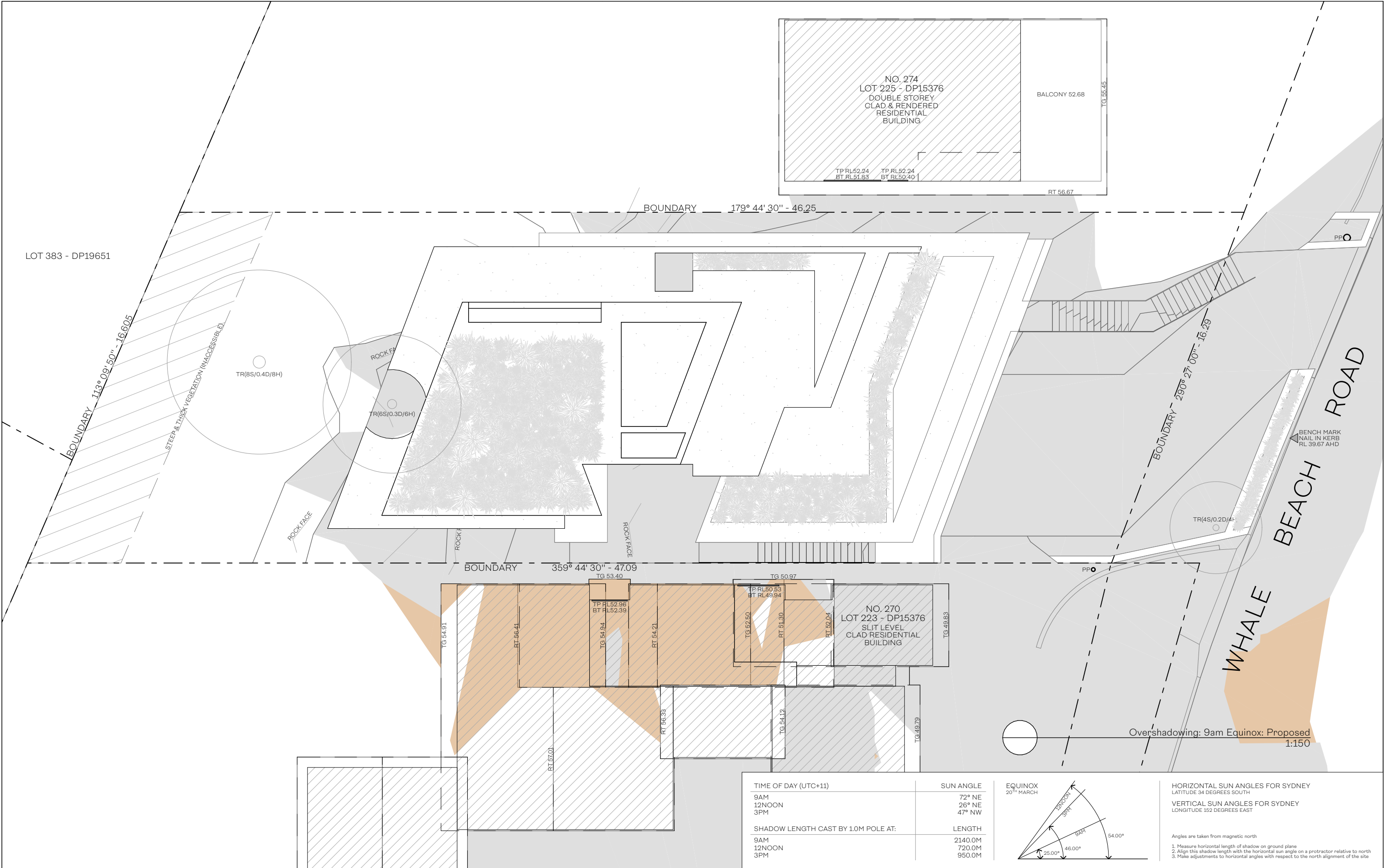
**Overshadowing: 9am Equinox**


PROJECT NEW BUILD

**Whale Beach House**

PROJECT STATUS  
DA APPROVAL

DRAWING ID REVISION  
**A507 G**





**AVENUE ONE DESIGN**  
3/18 HUTCHINSON STREET  
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+612 9054 1234  
TOBY@AVENUEONEDSIGN.COM.AU  
AVENUEONEDSIGN.COM.AU

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DATE  
23.12.2022

PROJECT NO.  
AO242

SCALE  
@A3

CLIENT  
JASON & TANYA

PROJECT ADDRESS  
272 WHALE BEACH ROAD  
WHALE BEACH, NSW

DRAWING ISSUE	REVISION	DATE ISSUED
ISSUE FOR PRE. CONCEPT	A	29.08.2022
ISSUE FOR PRE. CONCEPT	B	19.09.2022
ISSUE FOR CONCEPT	C	21.09.2022
ISSUE FOR DA APPROVAL	D	04.11.2022
ISSUE FOR DA APPROVAL	E	20.12.2022
ISSUE FOR DA APPROVAL	F	22.12.2022
ISSUE FOR DA APPROVAL	G	23.12.2022

DRAWING  
OVERSHADOWING PLANS

**Overshadowing: 9am Equinox**

PROJECT  
NEW BUILD

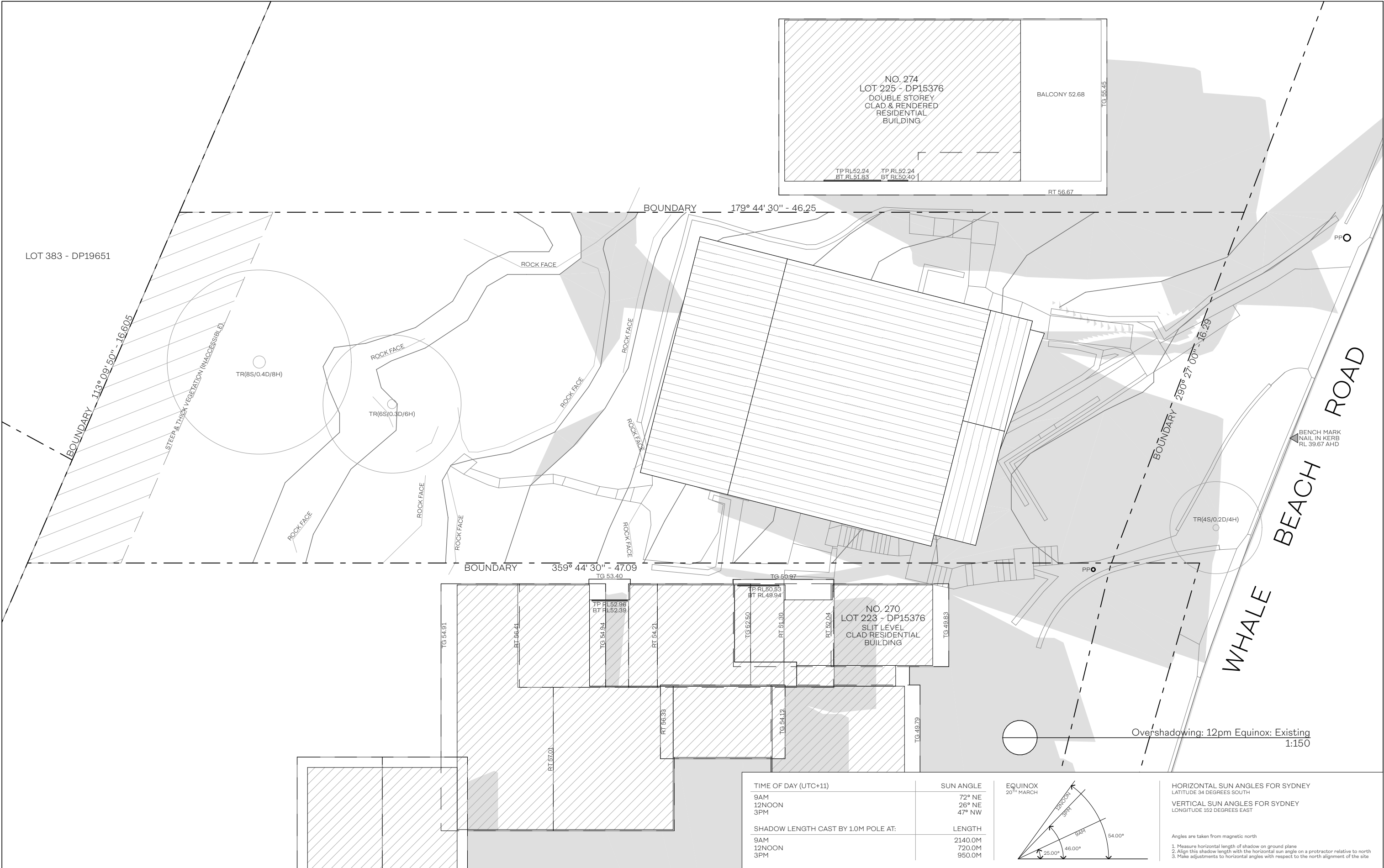
**WHALE BEACH HOUSE**


PROJECT STATUS  
DA APPROVAL

DRAWING ID  
A508

REVISION  
G







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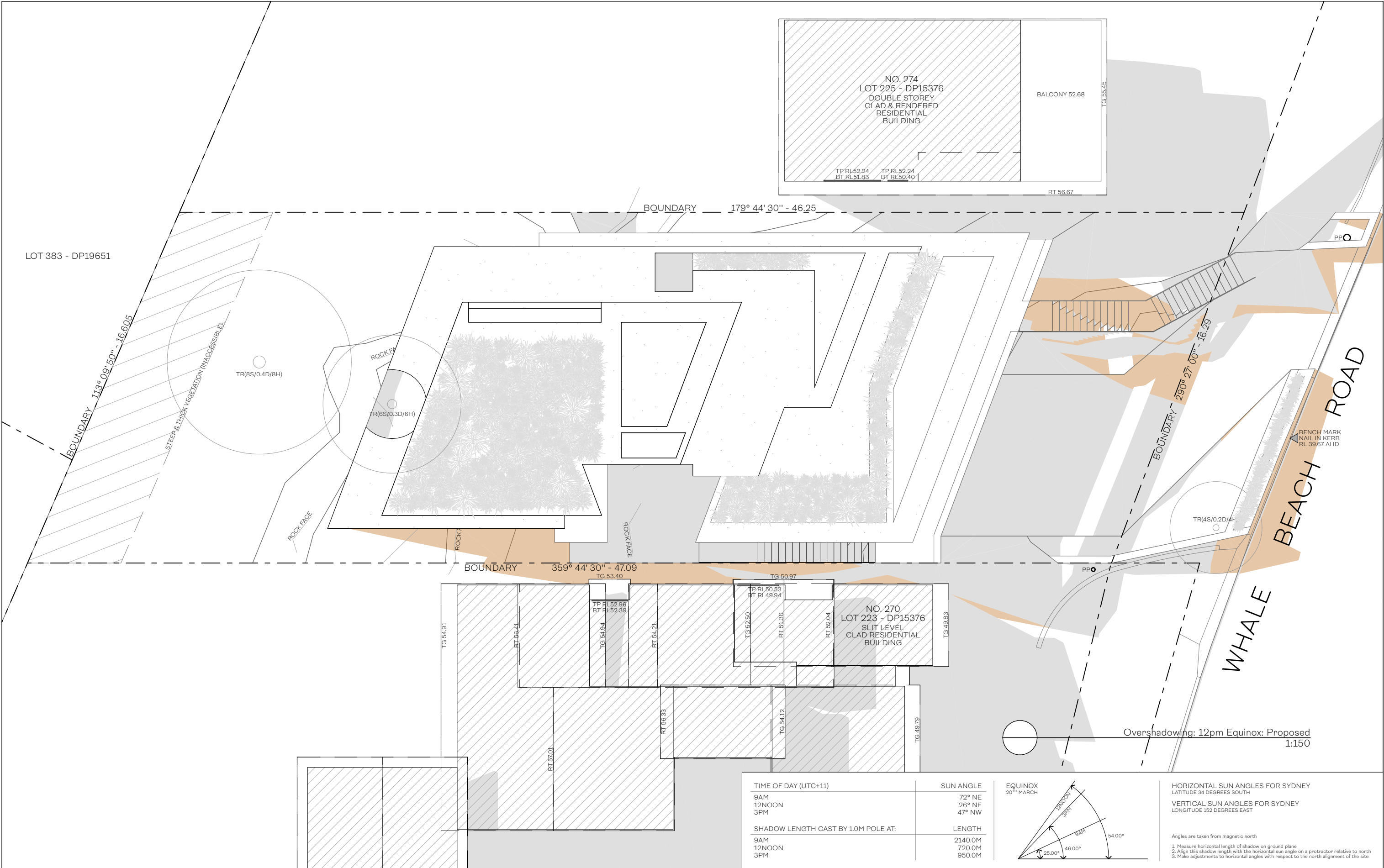
Overshadowing: 12pm Equinox


PROJECT NEW BUILD

WHALE BEACH HOUSE

PROJECT STATUS  
DA APPROVAL

DRAWING ID REVISION  
A509 G





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DRAWING OVERSHADOWING PLANS

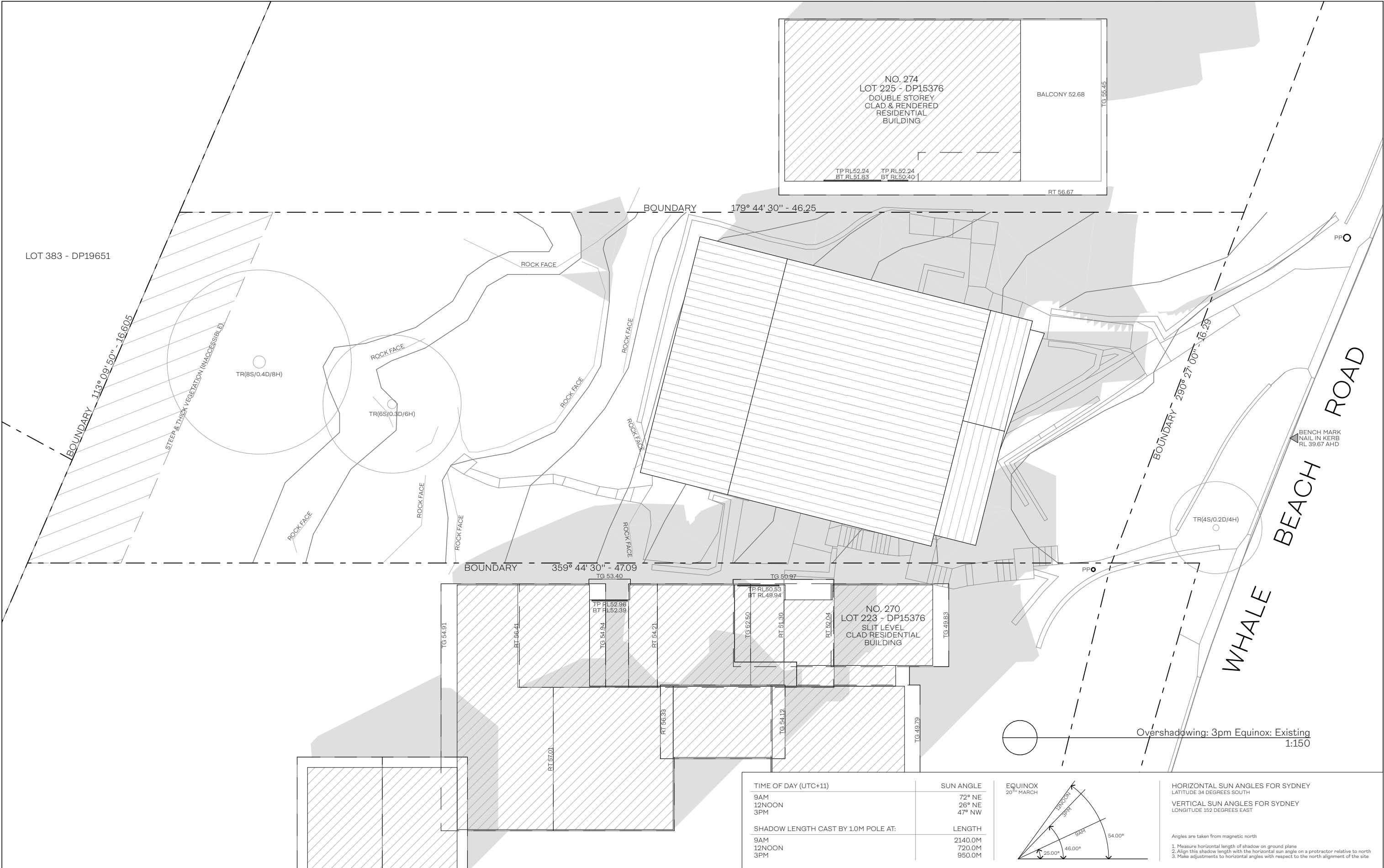
Overshadowing: 12pm Equinox

PROJECT NEW BUILD

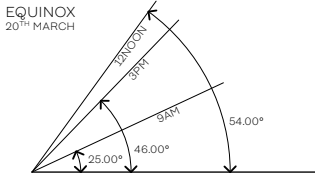
Whale Beach House

PROJECT STATUS  
DA APPROVAL

DRAWING ID REVISION  
A510 G



TIME OF DAY (UTC+11)		SUN ANGLE
9AM		72° NE
12NOON		26° NE
3PM		47° NW
SHADOW LENGTH CAST BY 1.0M POLE AT:		LENGTH
9AM		2140.0M
12NOON		720.0M
3PM		950.0M



HORIZONTAL SUN ANGLES FOR SYDNEY  
LATITUDE 34 DEGREES SOUTH  
VERTICAL SUN ANGLES FOR SYDNEY  
LONGITUDE 152 DEGREES EAST

Angles are taken from magnetic north  
1. Measure horizontal length of shadow on ground plane  
2. Align this shadow length with the horizontal sun angle on a protractor relative to north  
3. Make adjustments to horizontal angles with respect to the north alignment of the site



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DRAWING OVERSHADOWING PLANS

## Overshadowing: 3pm Equinox

PROJECT NEW BUILD

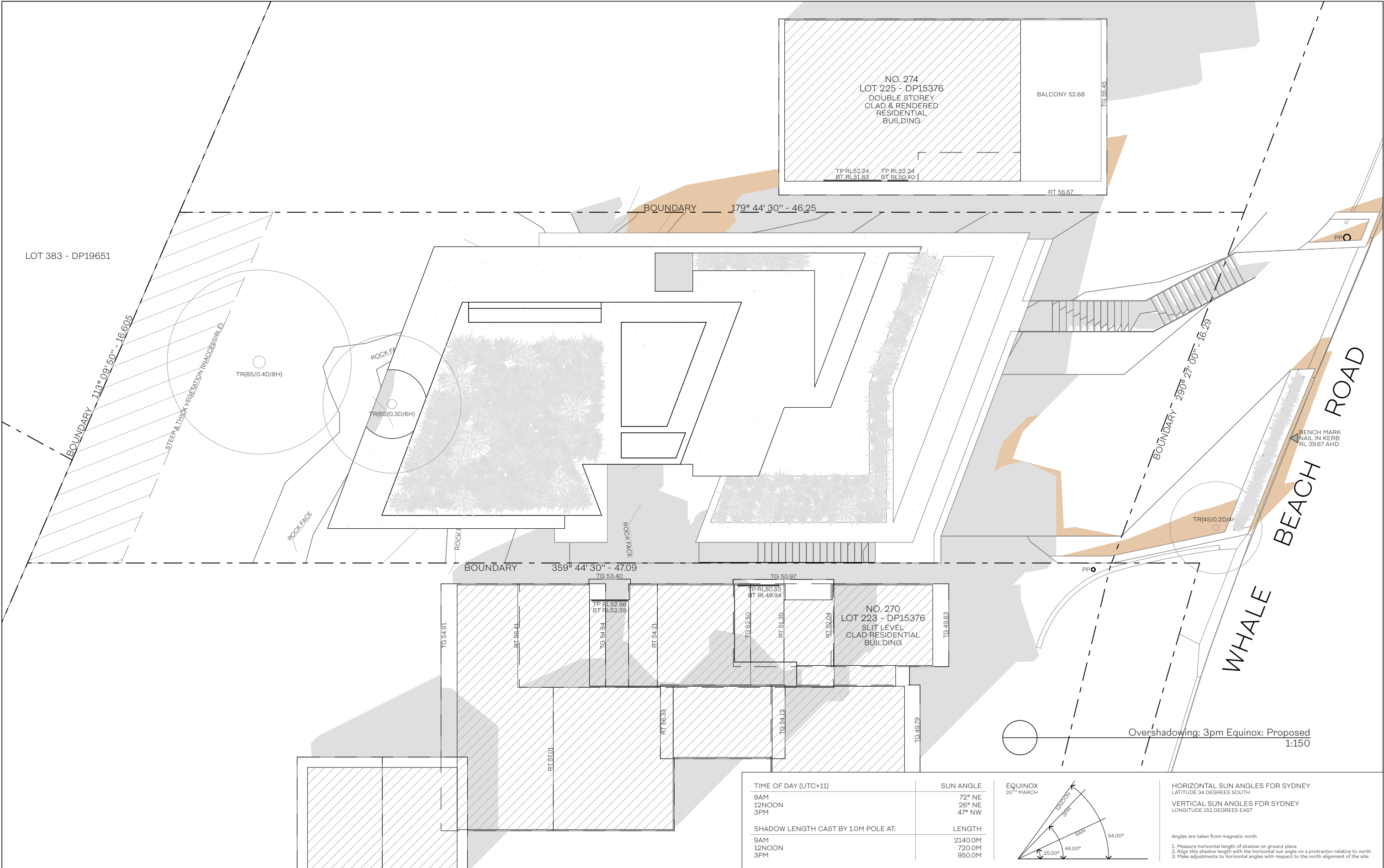
## Whale Beach House


PROJECT STATUS  
DA APPROVAL

DRAWING ID  
A511

REVISION  
G







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DRAWING OVERSHADOWING PLANS

**Overshadowing: 3pm Equinox**

PROJECT

NEW BUILD

Whale Beach House

PROJECT STATUS  
DA APPROVAL

DRAWING ID  
A512

REVISION  
G