KEY MATERIALS



CL - CL ADDING WEATHERBOARD PROFILE TO MATCH EXISTING. COLOUR TO MATCH EXISTING.



MR - METAL ROOF CUSTOM ORB PROFILE. COLOUR TO MATCH EXISTING. COATING SUITABLE FOR SEA-SIDE **ENVIRONMENT**



TB - TIMBER BOARDS STAINED OAK, ENGINEERED BOARDS

BASIX COMMITMENTS & BUSHFIRE

FIXTURES & SYSTEMS

HOT WATER

MIN 40% OF NEW FITTINGS SHALL BE COMPACT FLUORESCENT OR LED

WATER FIXTURES AND FTTINGS
SHOWERHEADS: 3 STAR WATER RATING (FLOW RATE NO GREATER THAN

TOILETS: 3 STAR WATER RATING (FLOW RATE NO GREATER THAN 4.0 L/MIN).

TAPS: 3 STAR WATER RATING (FLOW RATE NO GREATER THAN 9.0 L/MIN).

CONSTRUCTION

INSULATION CONCRETE SLAB ON GROUND:

SUSPENDED FLOOR WITH ENCLOSED SUBFLOOR, FRAMED (R0.7): R0.60 (DOWN) (OR R1.30 INCLUDING CONSTRUCTION).

FLOOR ABOVE EXISTING DWELLING OR BUILDING: NIL.

EXTERNAL WALL, FRAMED (WITH WEATHERBOARD, FIBRO METAL CLADDING): R1.30 (OR R1.70 INCL CONSTRUCTION).

RAKED CEILING, PITCHED / SKILLION ROOF, FRAMED: CEILING R2.54 (UP), ROOF THERMOCELLULAR REFLECTIVE.

ROOF MATERIAL MEDIUM COLOUR, SOLAR ABSORPTANCE 0.475 - 0.70.

GLAZING REQUIREMENTS

FRAME AND GLASS TYPE

W1, W6 - W17, W20, W30, W31: BUSHFIRE RESIST TIMBER, SINGLE CLEAR GLASS, U 5.71, SHGC 0.66

W2: BUSHFIRE RESISTANT TIMBER, SINGLE PYROLYTIC LOW-E GLASS, U 3.99. SHGC 0.4

W3, W4, W5: STANDARD ALUMIN, SINGLE CLEAR GLASS, U7.63, SHGC 0.75 GENERALLY: BUSHFIRE RESISTANT TIMBER AND/OR METAL.

GLAZING (FOR BUSHFIRE PROTECTION)

W4B FIXED, W4C, W5, W6, W7 (BAL 29): TOUGHENED, MIN 5MM, LOW LEVEL PROTECTED WITH SCREEN.

W4B SLIDING (BAL 19): LOW LEVEL GLASS TOUGHENED, MIN 5MM

ALL OTHERS (BAL 12.5): LOW-LEVEL GLAZING GRADE A SAFETY, MIN 4MM.

SCREENING (FOR BUSHFIRE PROTECTION)

NO SCREEN REQUIRED WHERE 400MM ABOVE GROUND

W4C, W5, W6, W7 (BAL 29): METAL MESH MAX 2MM APERTURE, WITH METAL FRAME AND FITTINGS.

W4B SLIDING (BAL 19): NO SCREEN REQUIRED.

ALL OTHERS (BAL 12.5): METAL MESH MAX 2MM APERTURE WITH METAL FRAME.

SHADING

W1, W15, W17, W30, W31: EAVE / OVERHANG >=600MM.

W4B: EAVE / OVERHANG >=450MM.

W10: EAVE / OVERHANG >=900MM.

S1, S2: TIMBER FRAME, DOUBLE / AIR FILL, U4.3, SHGC 0.5, NO SHADING.

S3: ALUMIN FRAME, MOULDED PLASTIC SINGLE CLEAR, U6.21, SHGC 0.808.

COMPLIANCE

COMPLY WITH BUILDING CODES - ALL CONSTRUCTION SHALL BE IN CONDITIONS AND BEST PRACTICE.

EARTHWORKS, RETAINING STRUCTURES AND DRAINAGE - COMPLY WITH BCA PART 3.1 AND ENGINEER DETAILS.

TERMITE RISK MANAGEMENT - WHERE REQUIRED COMPLY W/ BCA 3 1 4 1

FOOTINGS & SLABS - PREPARATION, CONCRETE, REINFORCING AND CONSTRUCTION TO COMPLY WITH BCA PART 3.2 AND ENGINEER DETAILS.

MASONRY - CONSTRUCTION OF REINFORCED AND UNREINFORCED MASONRY, WEATHERPROOFING, MASONRY VENEER AND MASONRY PIERS TO COMPLY WITH BCA PART 3.3 AND ENGINEER DETAILS.

FRAMING - SUB-FLOOR VENTILATION, STEEL & TIMBER FRAMING, AND STRUCTURAL STEEL TO COMPLY WITH BCA PART 3.4 AND ENG DETAILS.

ROOF & WALL CLADDING - ROOF & WALL CLADDING, GUTTERS AND DOWNPIPES TO COMPLY WITH BCA PART 3.5, ENGINEER DETAILS AND MANUFACTURER INSTRUCTIONS

GLAZING - COMPLY WITH BCA PART 3.6, AS1288, AS2047, AS1288, AND OTHER RELEVANT STANDARDS.

 $\begin{array}{l} \textbf{SMOKE ALARMS} \cdot \text{NEW OR UPGRADE TO BE POWERED BY MAINS VOLTAGE} \\ \textbf{AND INTERCONNECTED TO OTHER AREAS OF THE HOUSE. LOCATION AND} \\ \textbf{INSTALLATION TO COMPLY WITH BCA } 3.7.5 \end{array}$

WET AREAS AND EXTERNAL WATERPROOFING - COMPLY WITH BCA 3.8.1.

LIFT OF HINGES - WHERE REQUIRED TO COMPLY WITH BCA 3.8.3.3

CONDENSATION MANAGEMENT - TO COMPLY WITH BCA 3.8.7.

BARRIERS, BALUSTRADES & HANDRAILS - COMPLY WITH BCA 3.9.2 ENERGY EFFICIENCY - COMPLY WITH BCA PART 3.12 AND BASIX REQTS.

BUSHFIRE RESISTANCE - WINDOWS, GLAZING, DOORS, SCREENS AND MATERIALS TO COMPLY WITH AS3959.2018 CONSTRUCTION OF BUILDINGS IN BUSHFIRE PRONE AREAS, AND CONSULTANT REPORT.

GENERAL NOTES

ALL WORK SHALL BE FULLY WITHIN THE PROPERTY BOUNDARY. CONFIRM BOUNDARY BY SURVEY PRIOR TO CONSTRUCTION.

EXISTING STRUCTURES

LOCATION OF EXISTING STRUCTURE, NEIGHBOURING BUILDINGS AND LANDSCAPE IS SHOWN APPROXIMATE. CONFIRM ALL DIMENSIONS ON SITE PRIOR TO WORK

CONSULTANT AND ENGINEERING INFORMATION

REFERALSO ENGINEER AND CONSULTANT INFORMATION.

REFER (OR OBTAIN) ENGINEER DETAILS FOR ALL STRUCTURAL WORK, SUPPORTING WALLS AND MODIFICATIONS, INCLUDING DEMOLITION, EXCAVATION, GROUND PREPARATION, DRAINAGE, SLABS, WALLS, CAVITIES, FRAMING AND STORMWATER.

SERVICES (HYDRAULIC, ELECT, MECH & EMERGENCY)
LOCATION AND FORM OF EXISTING SERVICES TO BE DETERMINED BY

ALL NEW & MODIFIED SERVICES TO ENGINEER DETAILS. LOCATION OF VISIBLE SERVICES TO BE AGREED WITH ARCHITECT. INTEGRATE NEW & EXISTING EMERGENCY AND OTHER SYSTEMS THROUGHOUT ENTIRE PROJECT SUMMARY

CLASS 1 - SINGLE DWELLING

2 STOREY

DETATCHED

BUSHFIRE PRONE AREA, UP TO BAL 29

Rob Design Office 49 Shepherd Street Chippendale NSW 2080 Tel: 02 9699 6969 Reg: 88 66 NSW rob@rdo.net.au www.rdo.net.au

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BILGOLA Project

Address

1A THE SERPENTINE, BILGOLA BEACH

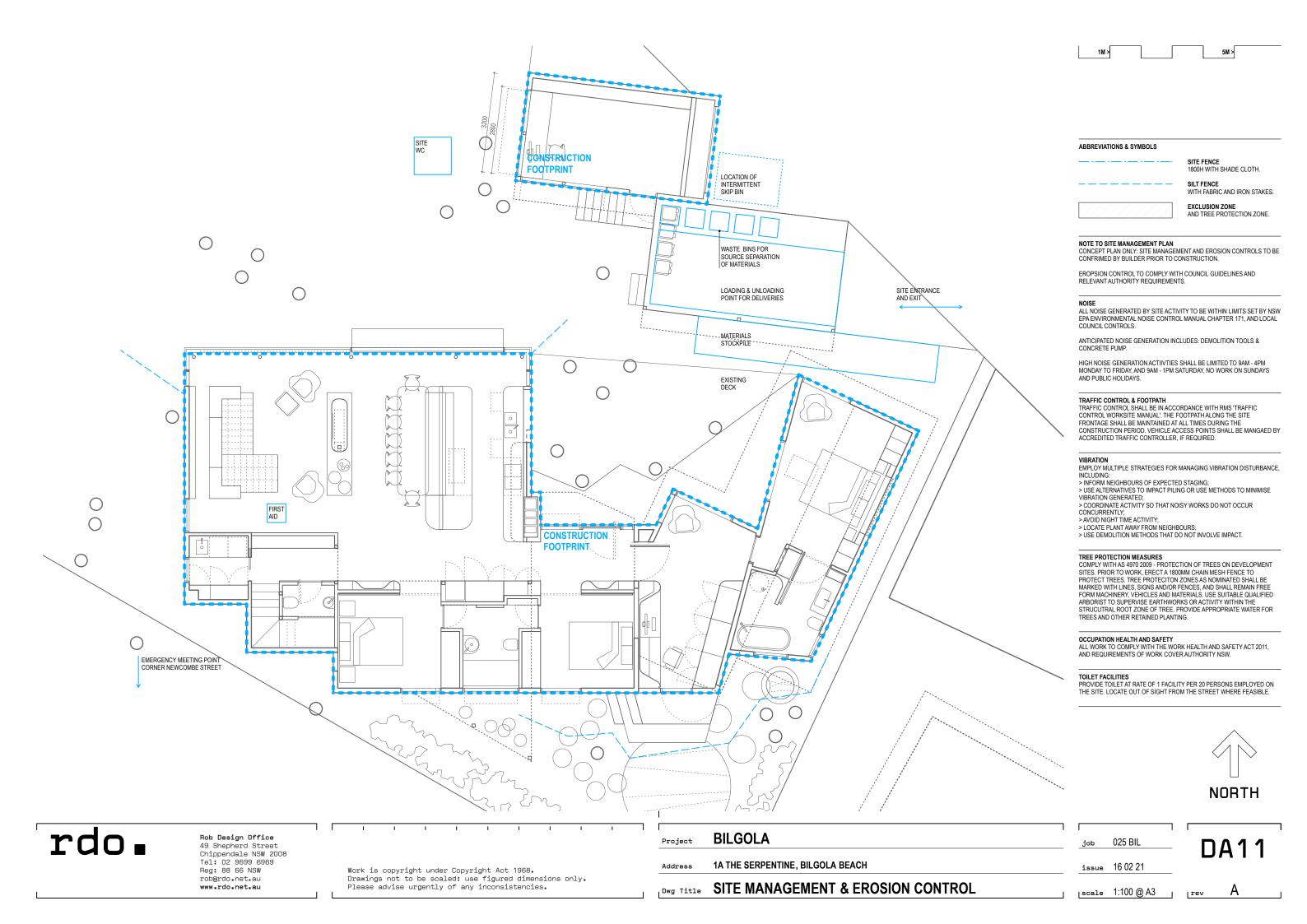
DWG Title GNERAL NOTES, COMPLIANCE & BASIX

025 BIL

issue 16 02 21

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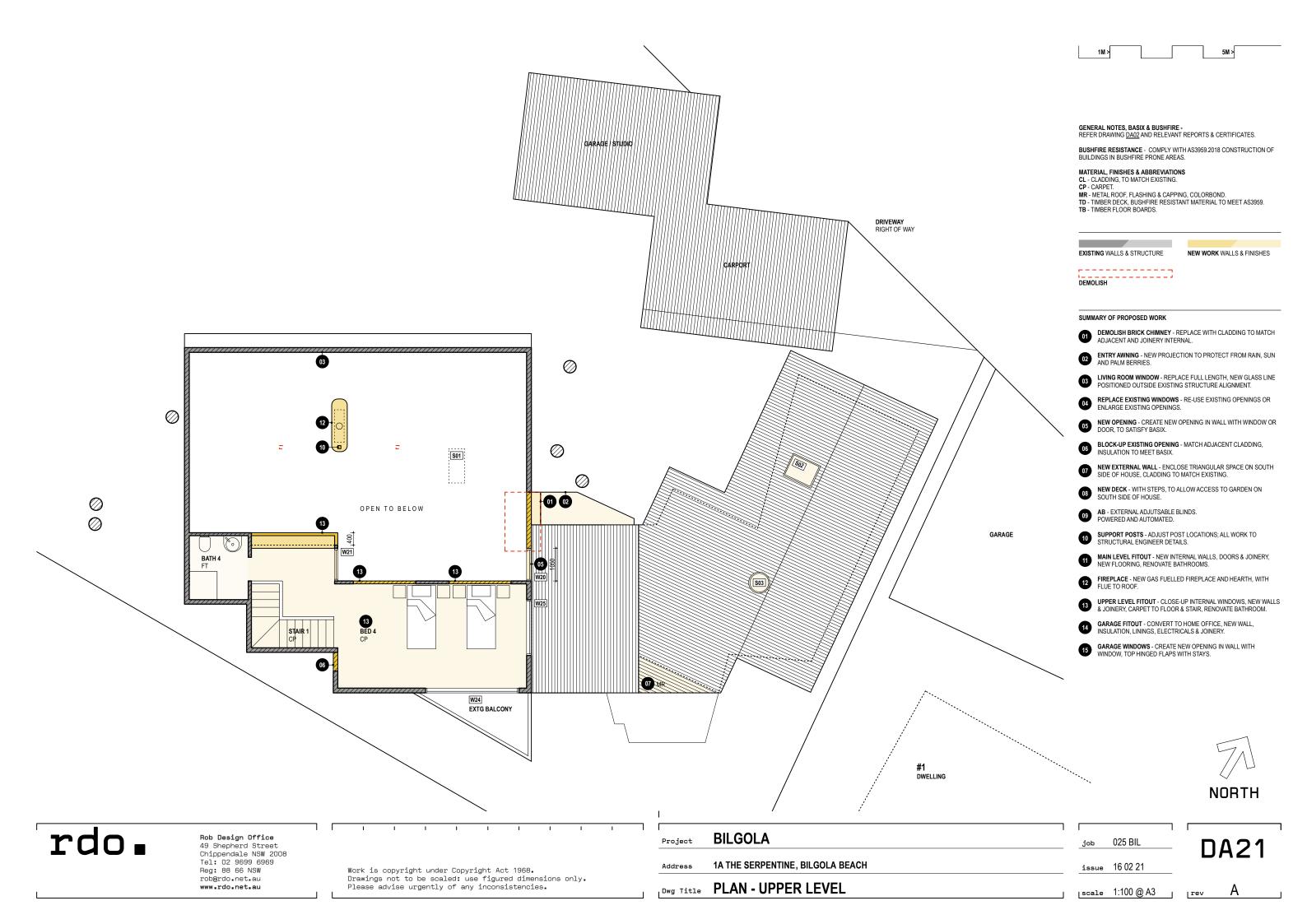
Dwg Title PLAN - MAIN LEVEL

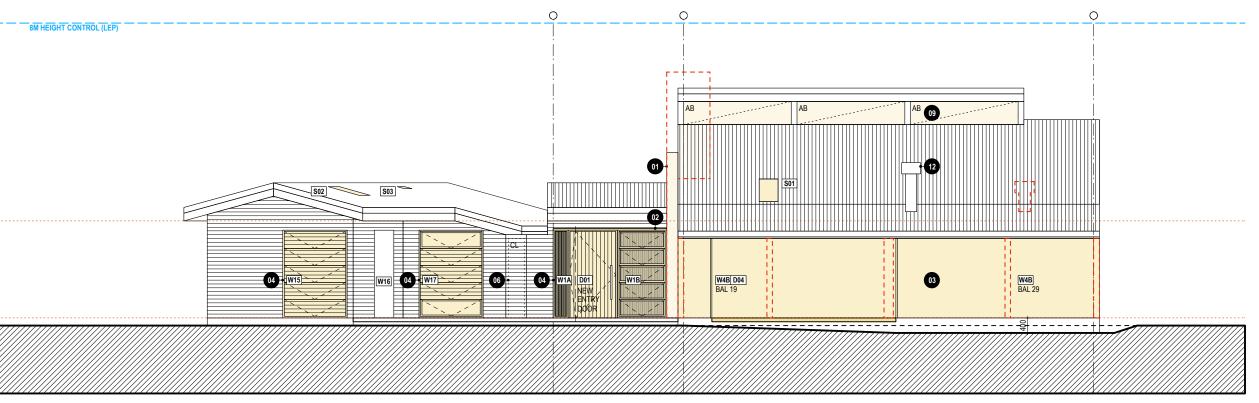
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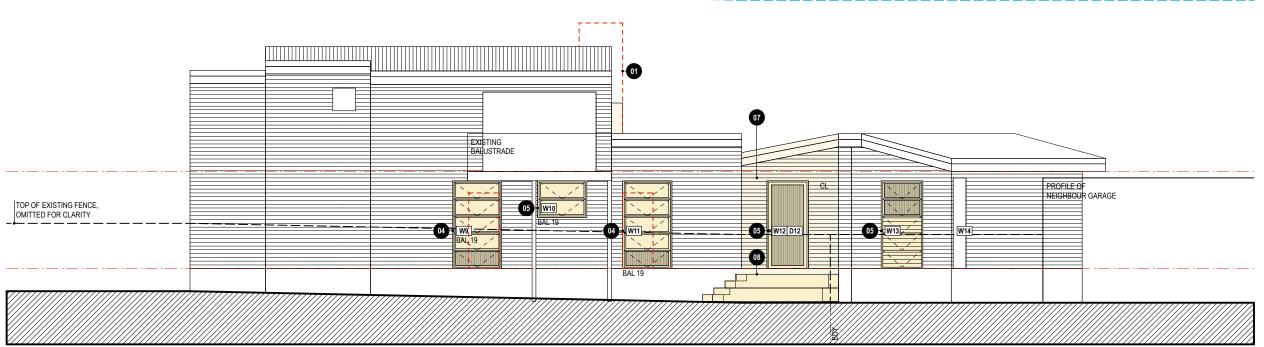
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NORTH ELEVATION

8M HEIGHT CONTROL (LEP)



SOUTH ELEVATION - FACING CARPARK

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BILGOLA Project 1A THE SERPENTINE, BILGOLA BEACH Address Dwg Title **ELEVATIONS**

MATERIAL, FINISHES & ABBREVIATIONS CL - CLADDING, TO MATCH EXISTING. CP - CARPET.

MR - METAL ROOF, FLASHING & CAPPING, COLORBOND.
TD - TIMBER DECK, BUSHFIRE RESISTANT MATERIAL TO MEET AS3959.
TB - TIMBER FLOOR BOARDS.

GENERAL NOTES, BASIX & BUSHFIRE - REFER DRAWING <u>DA02</u> AND RELEVANT REPORTS & CERTIFICATES.

BUSHFIRE RESISTANCE - COMPLY WITH AS3959.2018 CONSTRUCTION OF BUILDINGS IN BUSHFIRE PRONE AREAS.

EXISTING WALLS & STRUCTURE

NEW WORK WALLS & FINISHES

DEMOLISH

SUMMARY OF PROPOSED WORK

DEMOLISH BRICK CHIMNEY - REPLACE WITH CLADDING TO MATCH ADJACENT AND JOINERY INTERNAL.

ENTRY AWNING - NEW PROJECTION TO PROTECT FROM RAIN, SUN AND PALM BERRIES.

LIVING ROOM WINDOW - REPLACE FULL LENGTH, NEW GLASS LINE POSITIONED OUTSIDE EXISTING STRUCTURE ALIGNMENT.

REPLACE EXISTING WINDOWS - RE-USE EXISTING OPENINGS OR ENLARGE EXISTING OPENINGS. **NEW OPENING** - CREATE NEW OPENING IN WALL WITH WINDOW OR DOOR, TO SATISFY BASIX.

BLOCK-UP EXISTING OPENING - MATCH ADJACENT CLADDING, 06 BLOCK-UP EXISTING OF LINE
INSULATION TO MEET BASIX.

NEW EXTERNAL WALL - ENCLOSE TRIANGULAR SPACE ON SOUTH SIDE OF HOUSE, CLADDING TO MATCH EXISTING.

08 NEW DECK - WITH STEPS, TO ALLOW ACCESS TO GARDEN ON SOUTH SIDE OF HOUSE.

AB - EXTERNAL ADJUTSABLE BLINDS. POWERED AND AUTOMATED.

SUPPORT POSTS - ADJUST POST LOCATIONS; ALL WORK TO STRUCTURAL ENGINEER DETAILS.

MAIN LEVEL FITOUT - NEW INTERNAL WALLS, DOORS & JOINERY, NEW FLOORING, RENOVATE BATHROOMS.

FIREPLACE - NEW GAS FUELLED FIREPLACE AND HEARTH, WITH FLUE TO ROOF.

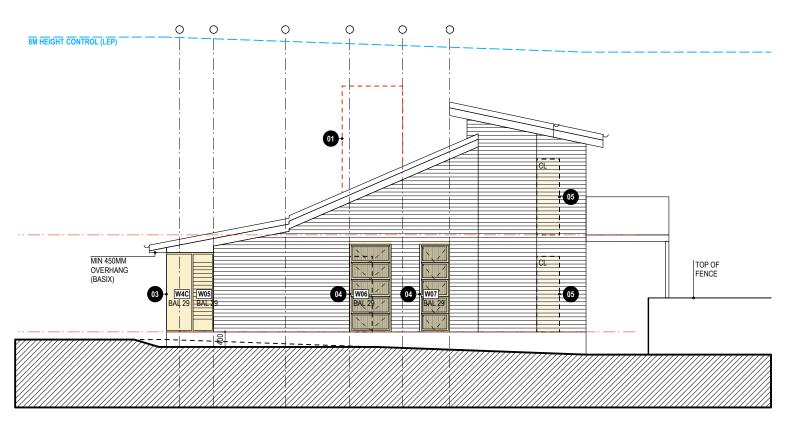
UPPER LEVEL FITOUT - CLOSE-UP INTERNAL WINDOWS, NEW WALLS & JOINERY, CARPET TO FLOOR & STAIR, RENOVATE BATHROOM.

GARAGE FITOUT - CONVERT TO HOME OFFICE, NEW WALL, INSULATION, LININGS, ELECTRICALS & JOINERY.

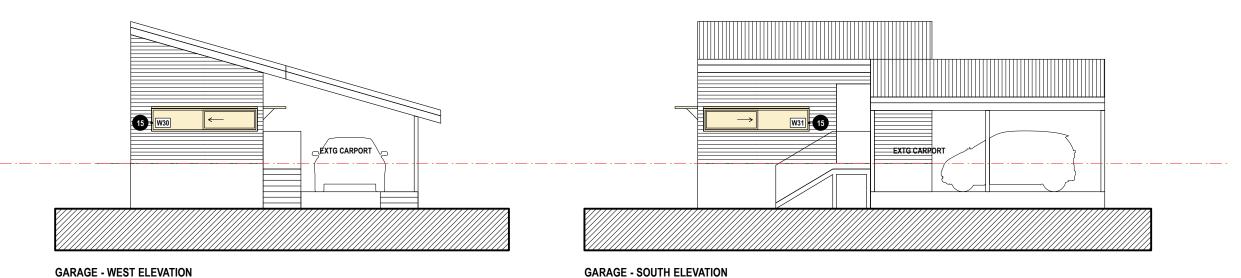
GARAGE WINDOWS - CREATE NEW OPENING IN WALL WITH WINDOW, TOP HINGED FLAPS WITH STAYS.

025 BIL

issue 16 02 21 |scale 1:100 @ A3



HOUSE - WEST ELEVATION



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BILGOLA Project 1A THE SERPENTINE, BILGOLA BEACH Address Dwg Title **ELEVATIONS**

025 BIL

|scale 1:100 @ A3

DA31 issue 16 02 21

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EXISTING WALLS & STRUCTURE

DEMOLISH

SUMMARY OF PROPOSED WORK

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