

DEVELOPMENT APPLICATION

ARKHAUS (02) 9697 9554 hello@arkhaus.com.au www.arkhaus.com.au Suite 4.03/ 77 Dunning Avenue, Rosebery NSW 2018



12/11/20 10/02/2021 18/03/2021

DA01 DA.B DA.C DEVELOPMENT APPLICATION ISSUE ISSUE B - RFI ISSUE C - STUDIO/REAR LANDSCAPE

northern beaches

> Client GC & MC. Drawing SITE PLAN

Project description NEW DWELLING HOUSE Project address 38 UNDERCLIFF ROAD

FRESHWATER NSW 2096

COMPLIANT COMPLIANT

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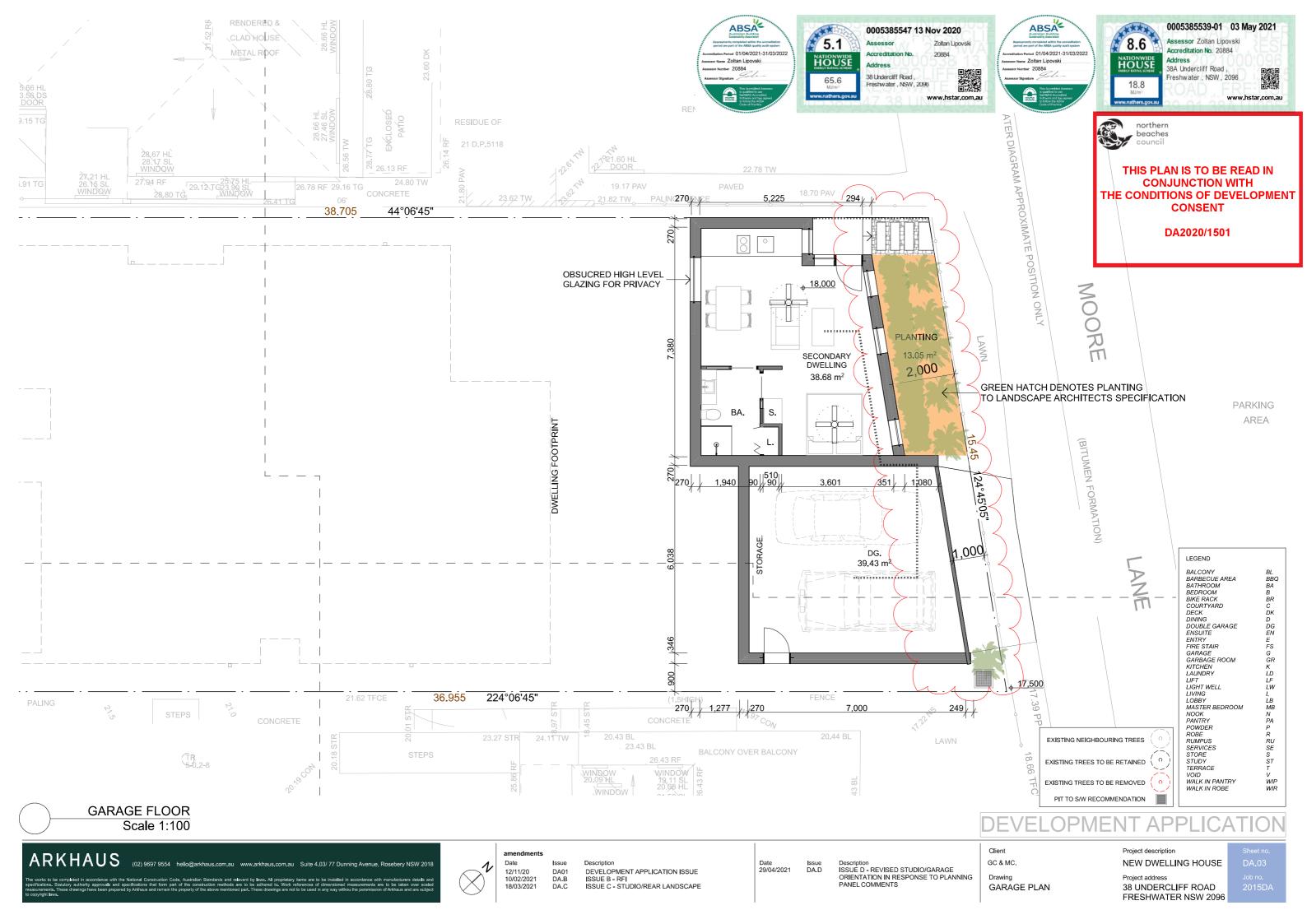
COMPLIANT

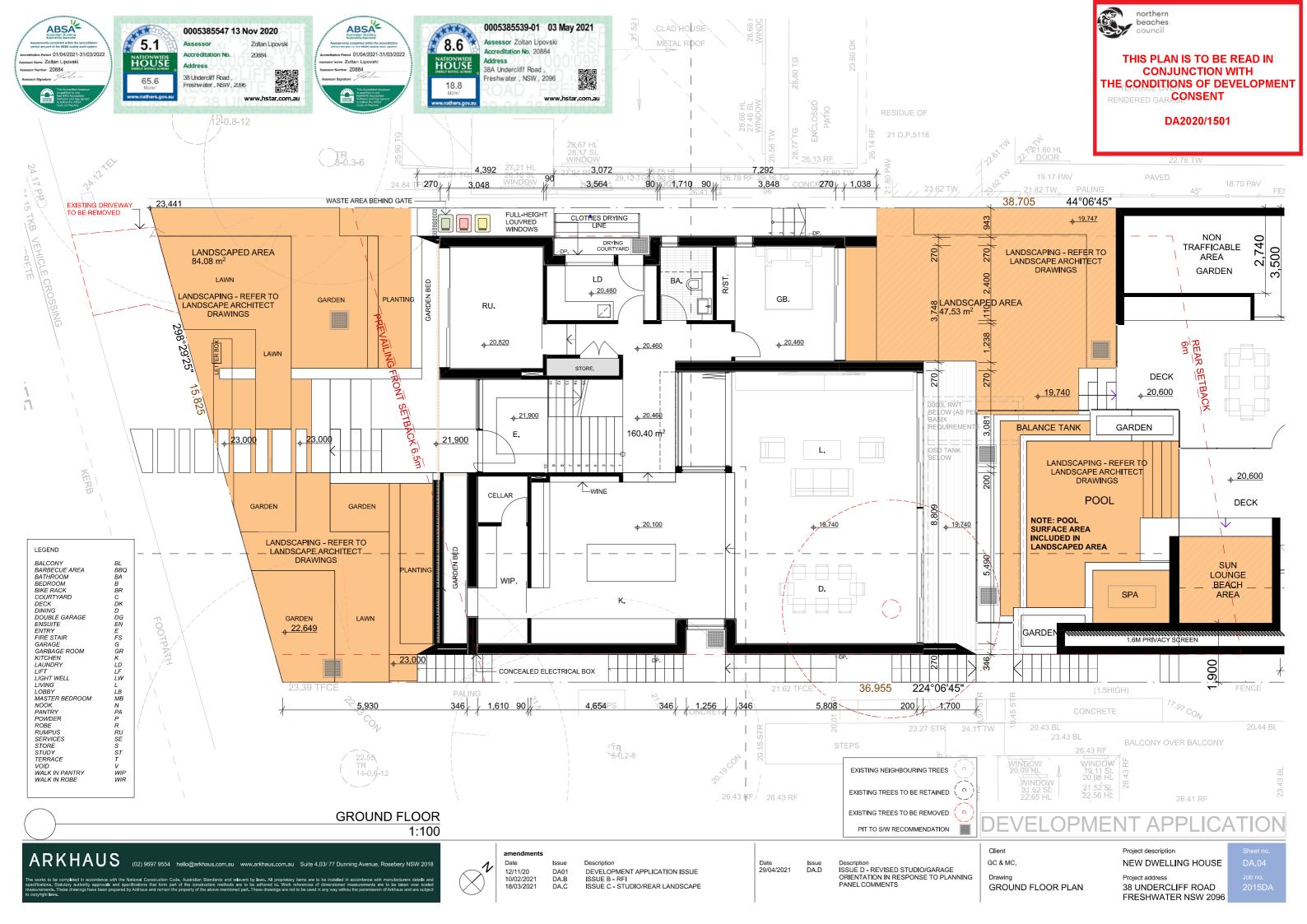
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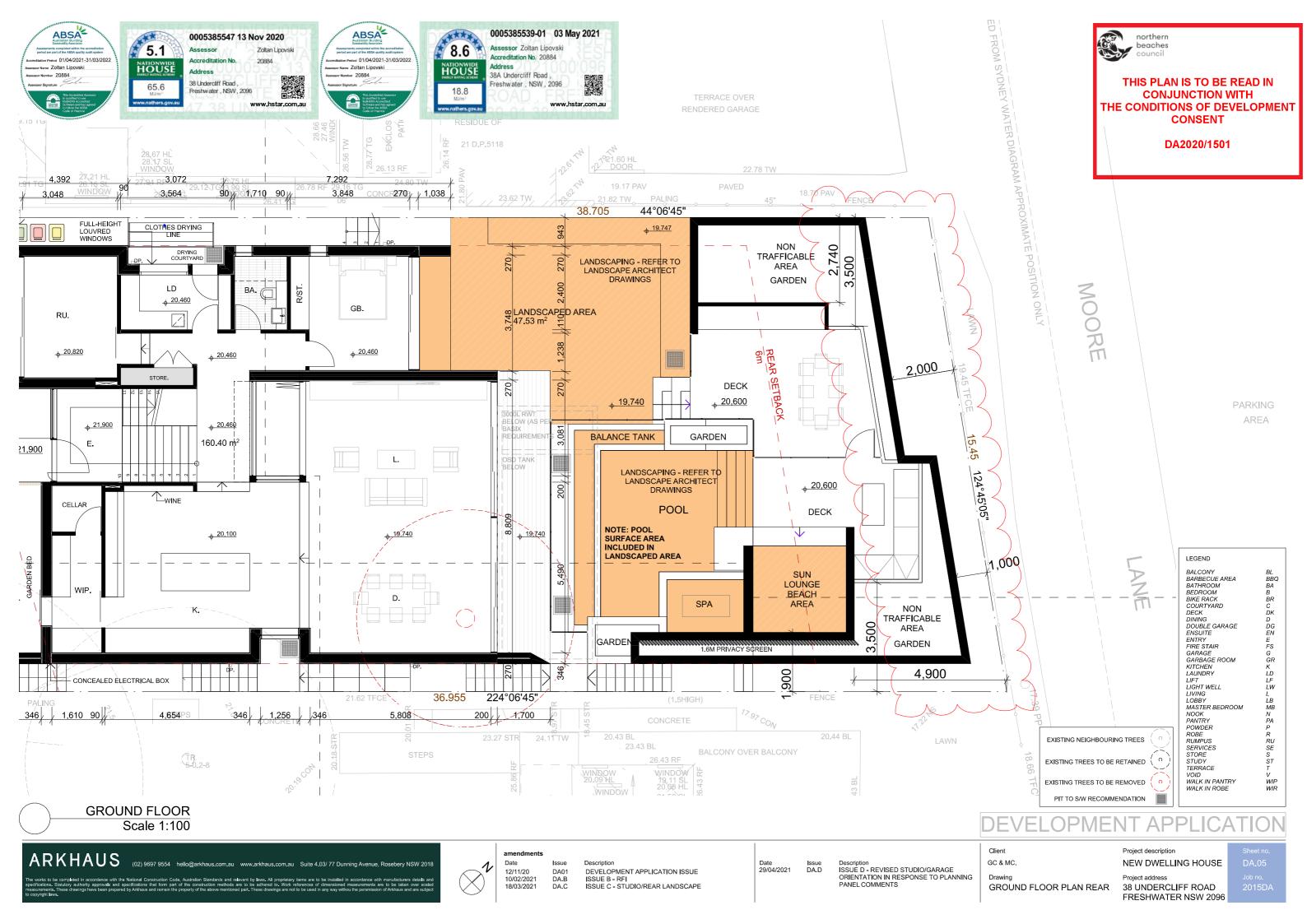
COMPLIANT

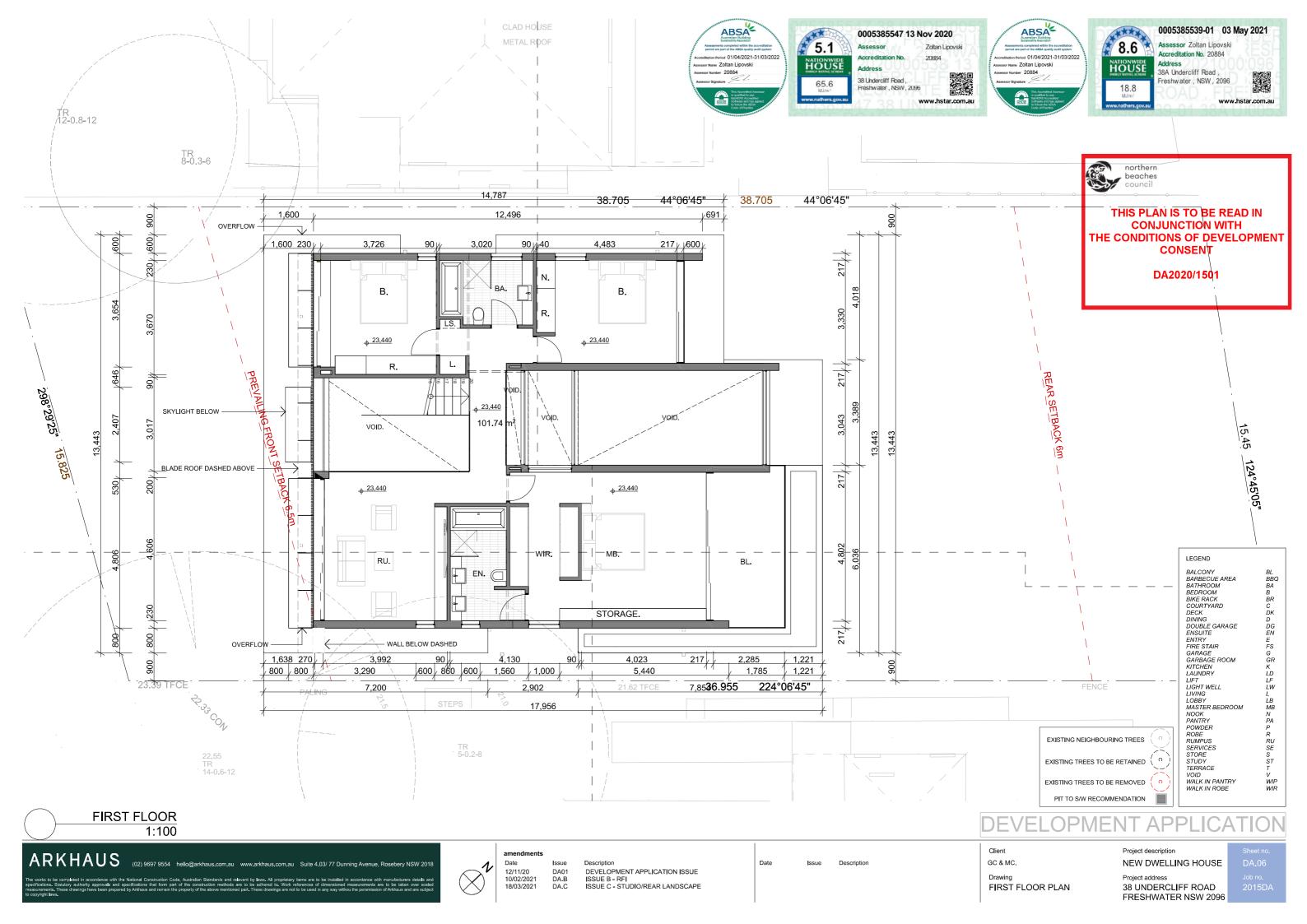
KITCHEN: TILED BED: CARPET

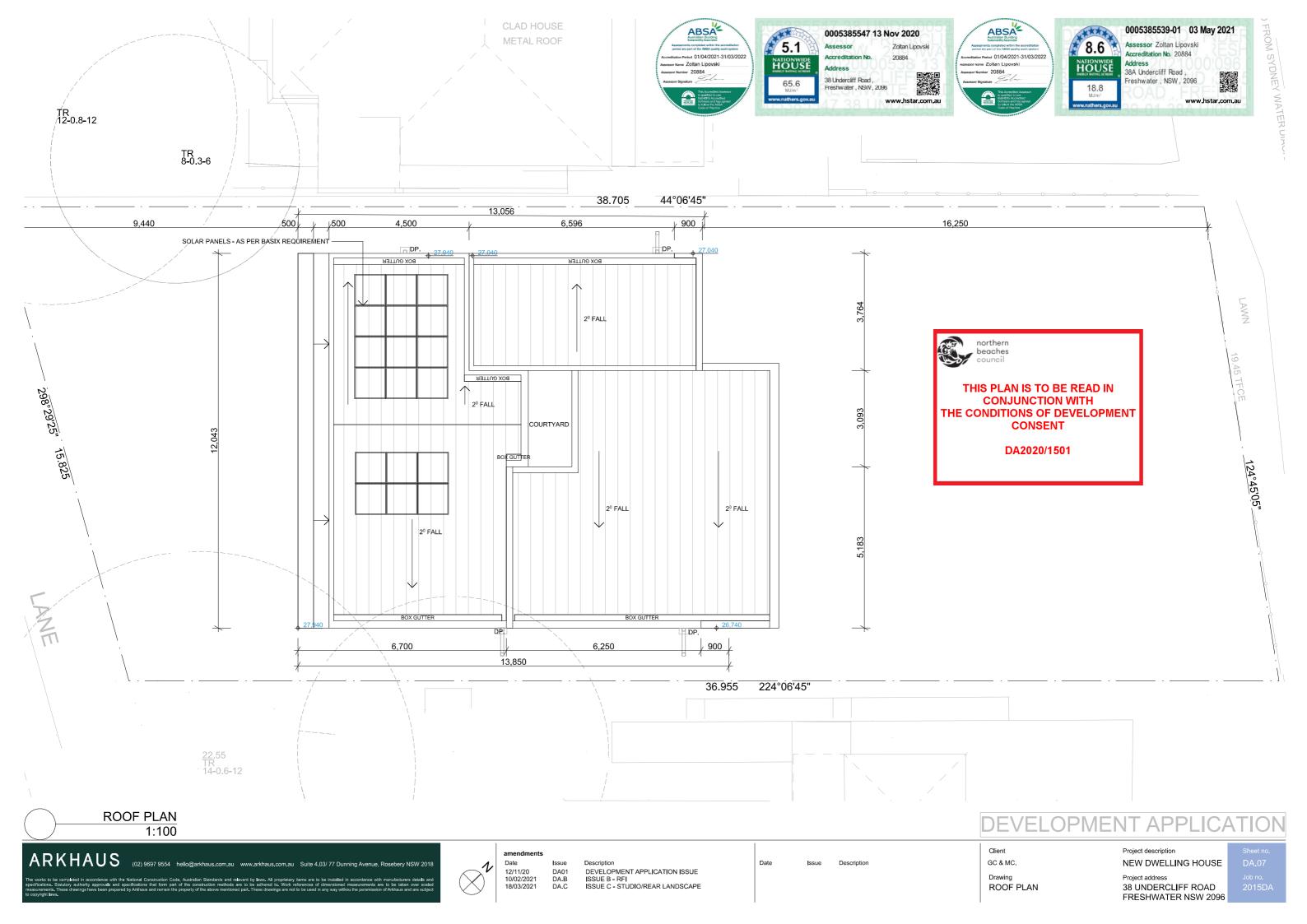
LEGEND

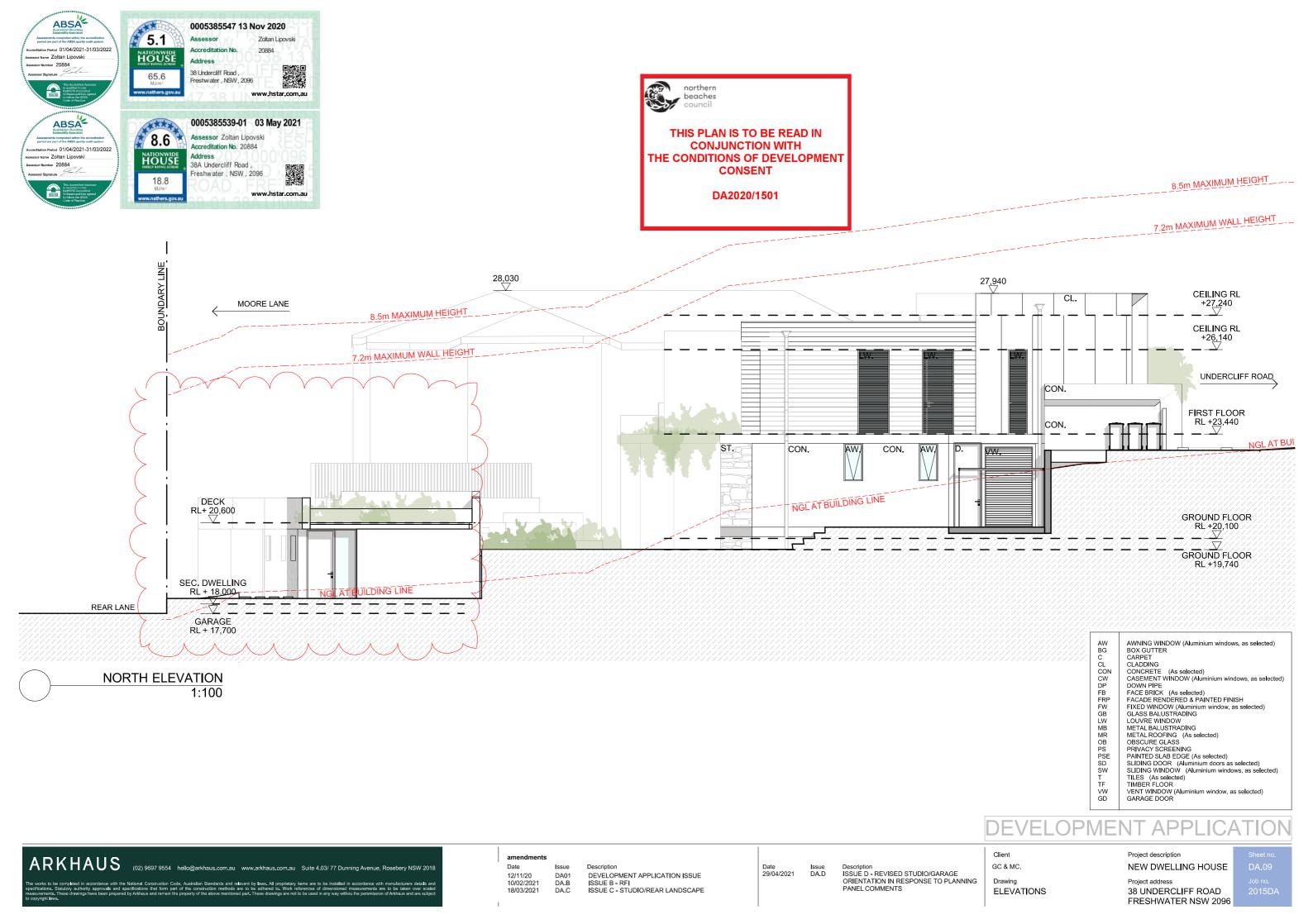


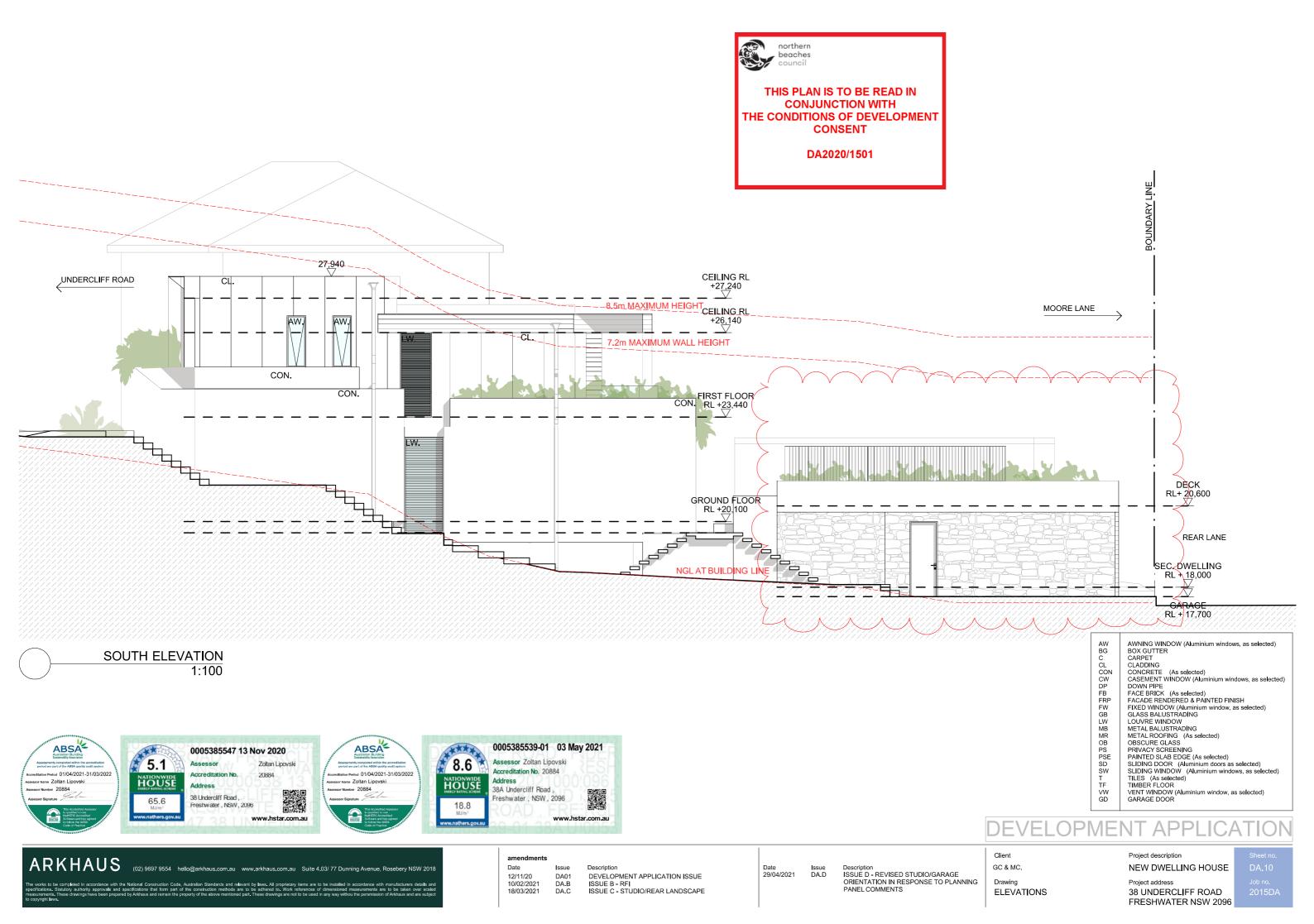


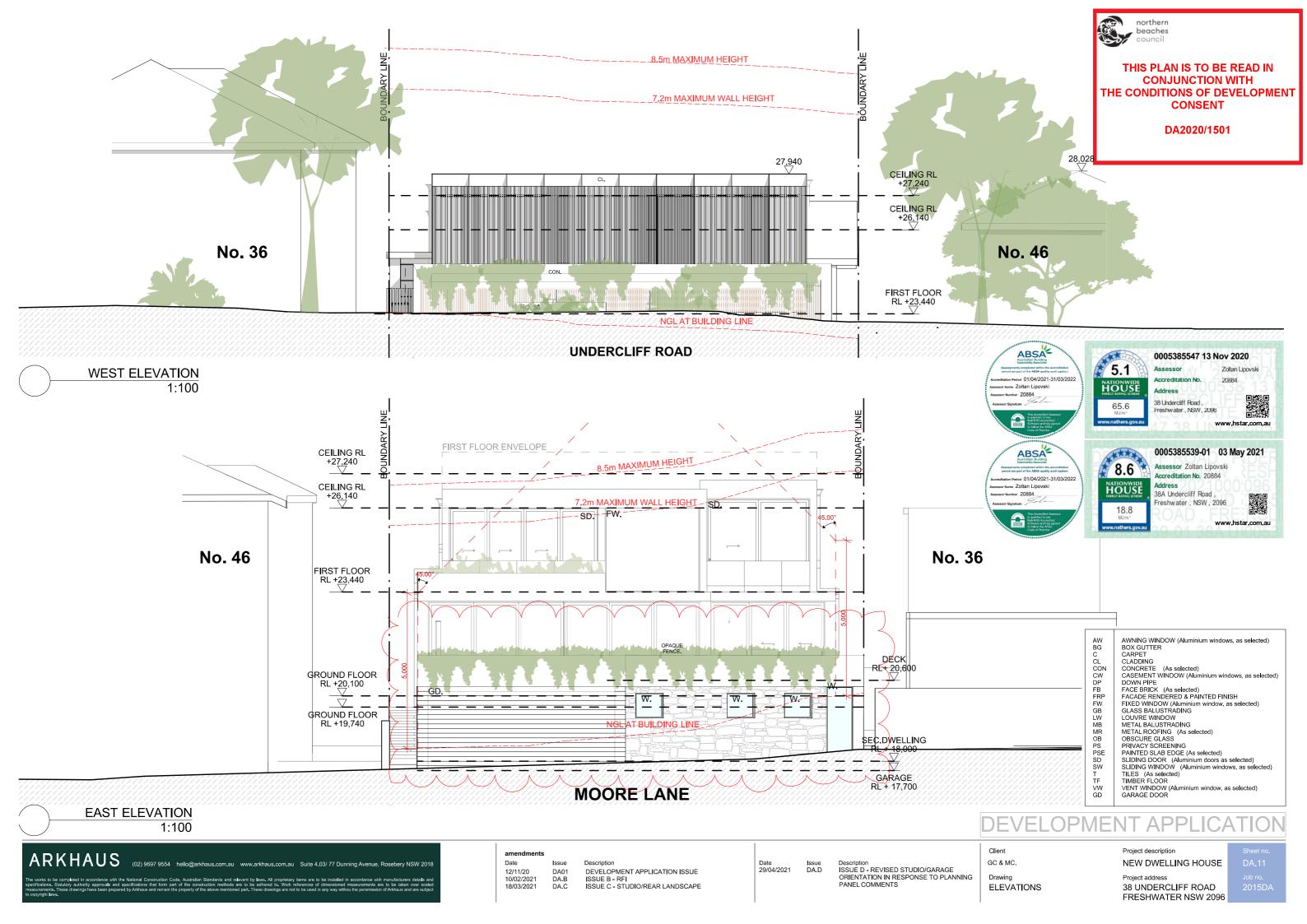


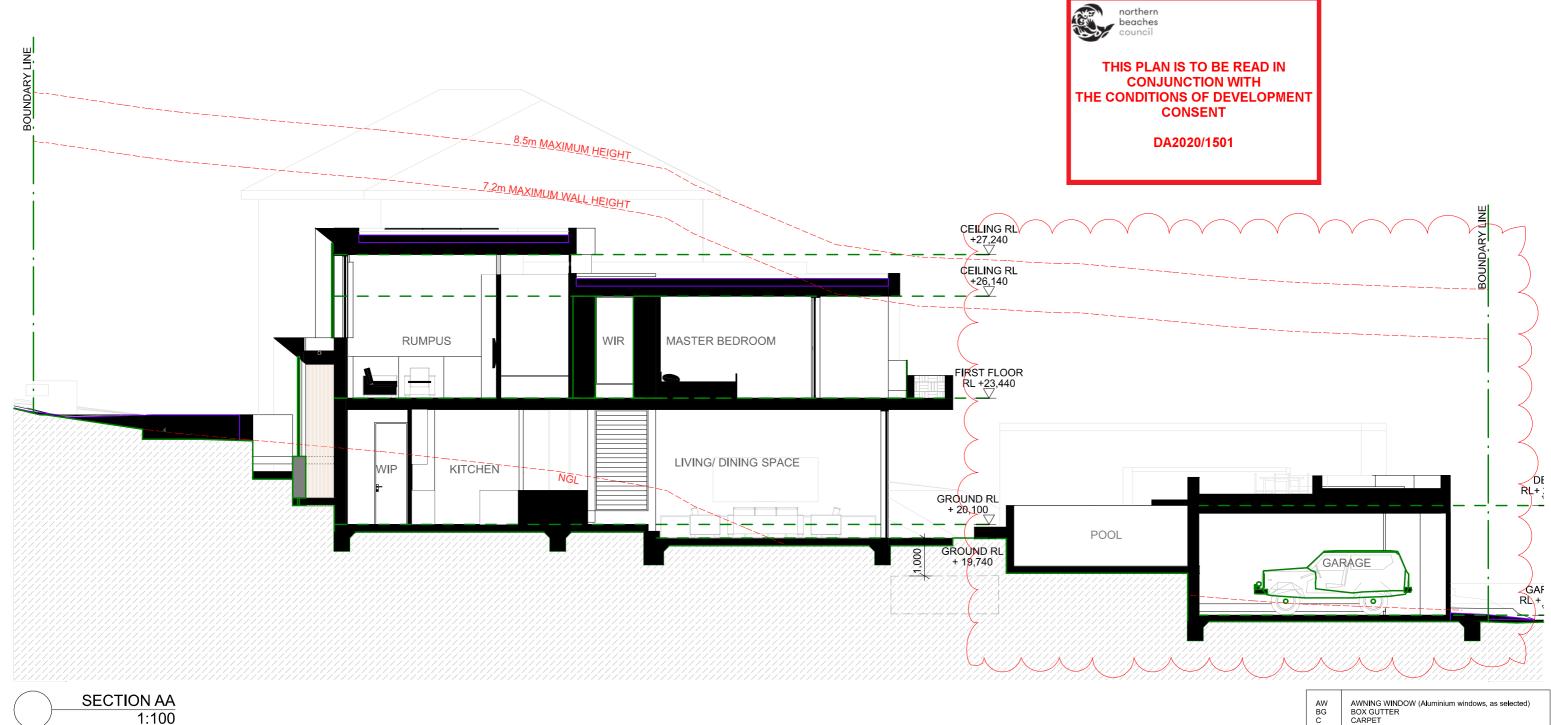




















AWWING WINDOW (Aluminium windows, as selected)
BG BOX GUTTER
C CARPET
CL CLADDING
CON CONCRETE (As selected)
CW CASEMENT WINDOW (Aluminium windows, as selected)
DP DOWN PIPE
FB FACE BRICK (As selected)
FRP FACADE RENDERED & PAINTED FINISH
FIXED WINDOW (Aluminium window, as selected)
GB GLASS BALUSTRADING
LOUVRE WINDOW
MB METAL BALUSTRADING
MR METAL BALUSTRADING
MR METAL ROOFING (As selected)
OB OBSCURE GLASS
PS PRIVACY SCREENING
PSE PAINTED SLAB EDGE (As selected)
SU SLIDING DOOR (Aluminium doors as selected)
SU SLIDING DOOR (Aluminium windows, as selected)
T TILES (As selected)
TF TIMBER FLOOR
VW VENT WINDOW (Aluminium window, as selected)
GD GARAGE DOOR

DEVELOPMENT APPLICATION

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The works to be completed in accordance with the National Construction Code, Australian Standards and relevant by laws. All proprietary items are to be installed in accordance with manufacturers details and specifications. Standards and short federance of Minimashored manuscentrations are to be label one respectively authority approachs and specifications that form part of the construction methods are to be adhered to. Work references of dimensioned manuscentrations are to be label one respectively of the above membraned part. These defaulings are not to be used in any way without the postmassion of Africance and are subject to convrint laws.

amendments

Date Issue D 12/11/20 DA01 I 10/02/2021 DA.B I 18/03/2021 DA.C I

DEVELOPMENT APPLICATION ISSUE ISSUE B - RFI ISSUE C - STUDIO/REAR LANDSCAPE Date

ue Descrip

Client GC & MC.

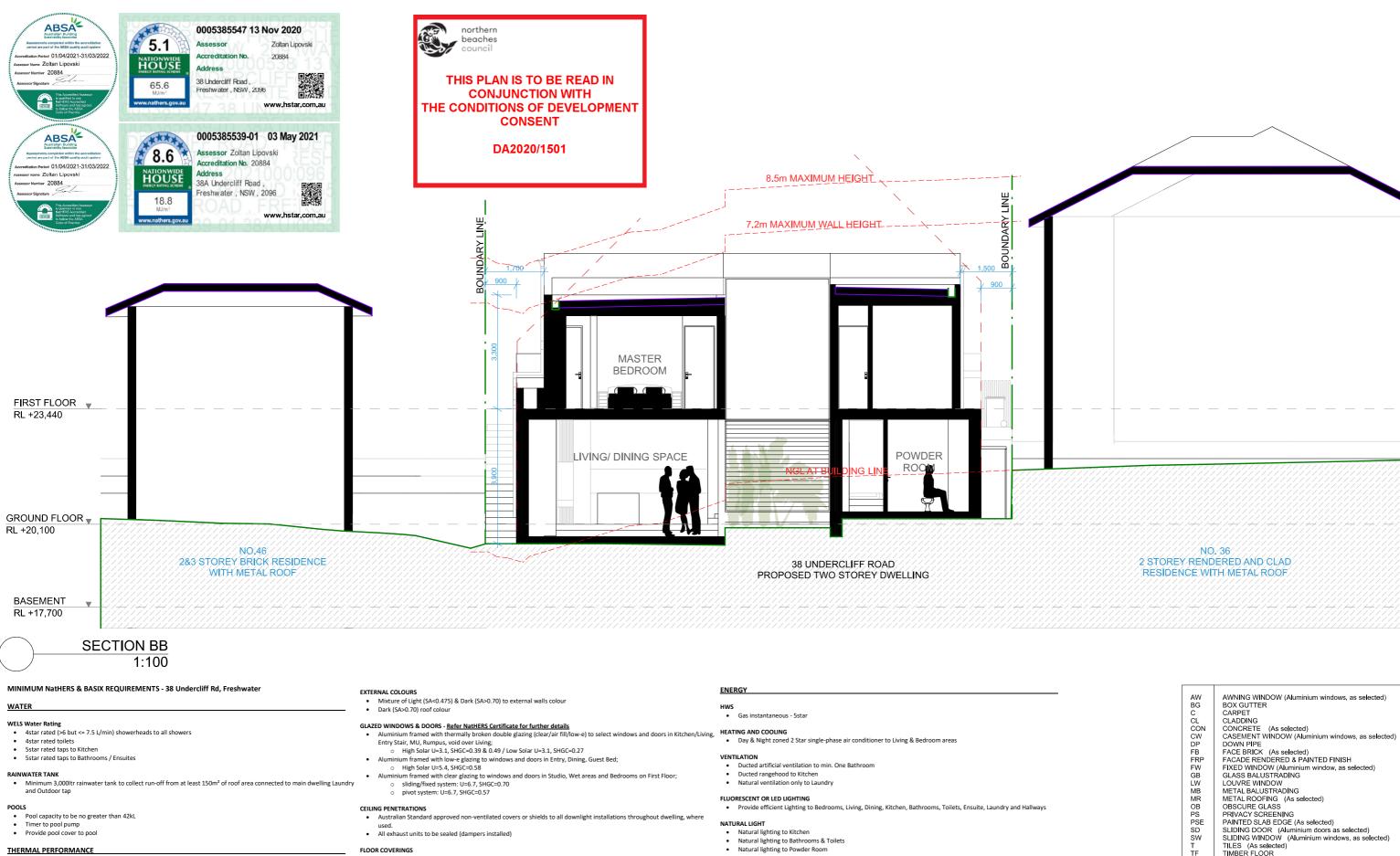
SECTIONS

Project description

NEW DWELLING HOUSE

Project address

Project address
38 UNDERCLIFF ROAD
FRESHWATER NSW 2096



WATER

WELS Water Rating

- 4star rated (>6 but <= 7.5 L/min) showerheads to all showers
- 4star rated toilets 5star rated taps to Kitchen
- 5star rated taps to Bathrooms / Ensuites

RAINWATER TANK

Minimum 3,000ltr rainwater tank to collect run-off from at least 150m² of roof area connected to main dwelling Laundry and Outdoor tap

- Pool capacity to be no greater than 42kL
- Timer to pool pump Provide pool cover to pool

THERMAL PERFORMANCE

- R2.5 bulk insulation + anti-glare foil with gap to all clad external walls on First Floor
- 'Kingspan Air-Cell Permicav' or similar to cavity brick walls on Ground Floor of main residence only
 R2.0 'Kingspan Kooltherm K10' or similar to soffit of concrete roof at Ground Floor
- · R3.5 insulation to framed ceiling at First Floor
- R1.3 "CSR Anticon" or similar insulation to underside of metal deck roofing

- Mixture of Light (SA<0.475) & Dark (SA>0.70) to external walls colour
- Dark (SA>0.70) roof colour

GLAZED WINDOWS & DOORS - Refer NatHERS Certificate for further details

- Aluminium framed with thermally broken double glazing (clear/air fill/low-e) to select windows and doors in Kitchen/Living,
 Entry Stair, MU, Rumpus, void over Living;
 High Solar U=3.1, SHGC=0.39 & 0.49 / Low Solar U=3.1, SHGC=0.27

 High Solar U=3.1, SHGC=0.39 & 0.49 / Low Solar U=3.1, SHGC=0.27
- Aluminium framed with low-e glazing to windows and doors in Entry, Dining, Guest Bed;
- High Solar U=5.4, SHGC=0.58
- Aluminium framed with clear glazing to windows and doors in Studio, Wet areas and Bedrooms on First Floor;

 o sliding/fixed system: U=6.7, SHGC=0.70
 - pivot system: U=6.7, SHGC=0.57

CEILING PENETRATIONS

- All exhaust units to be sealed (dampers installed)

FLOOR COVERINGS

- Tile flooring to Living area's
- Carpet flooring to Bedroom area's
 Tile flooring to all wet area's

Day & Night zoned 2 Star single-phase air conditioner to Living & Bedroom areas

VENTILATION

- Ducted artificial ventilation to min. One Bathroom
- Ducted rangehood to Kitchen
- Natural ventilation only to Laundry

FLUORESCENT OR LED LIGHTING

Provide efficient Lighting to Bedrooms, Living, Dining, Kitchen, Bathrooms, Toilets, Ensuite, Laundry and Hallways

- NATURAL LIGHT

 Natural lighting to Kitchen
- Natural lighting to Bathrooms & Toilets
 Natural lighting to Powder Room

. Solar panel system with the capacity to generate at least 3.5 peak kilowatts of electricity as part of the whole development

OTHER (appliances and fixtures)

 Gas cooktop & electric over Outdoor clothes drving line

DEVELOPMENT APPLICAT

DOWN PIPE

GLASS BALUSTRADING

LOUVRE WINDOW METAL BALUSTRADING

TILES (As selected)

TIMBER FLOOR

METAL ROOFING (As selected)
OBSCURE GLASS
PRIVACY SCREENING

PAINTED SLAB EDGE (As selected)

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GC & MC.

Client

SECTIONS

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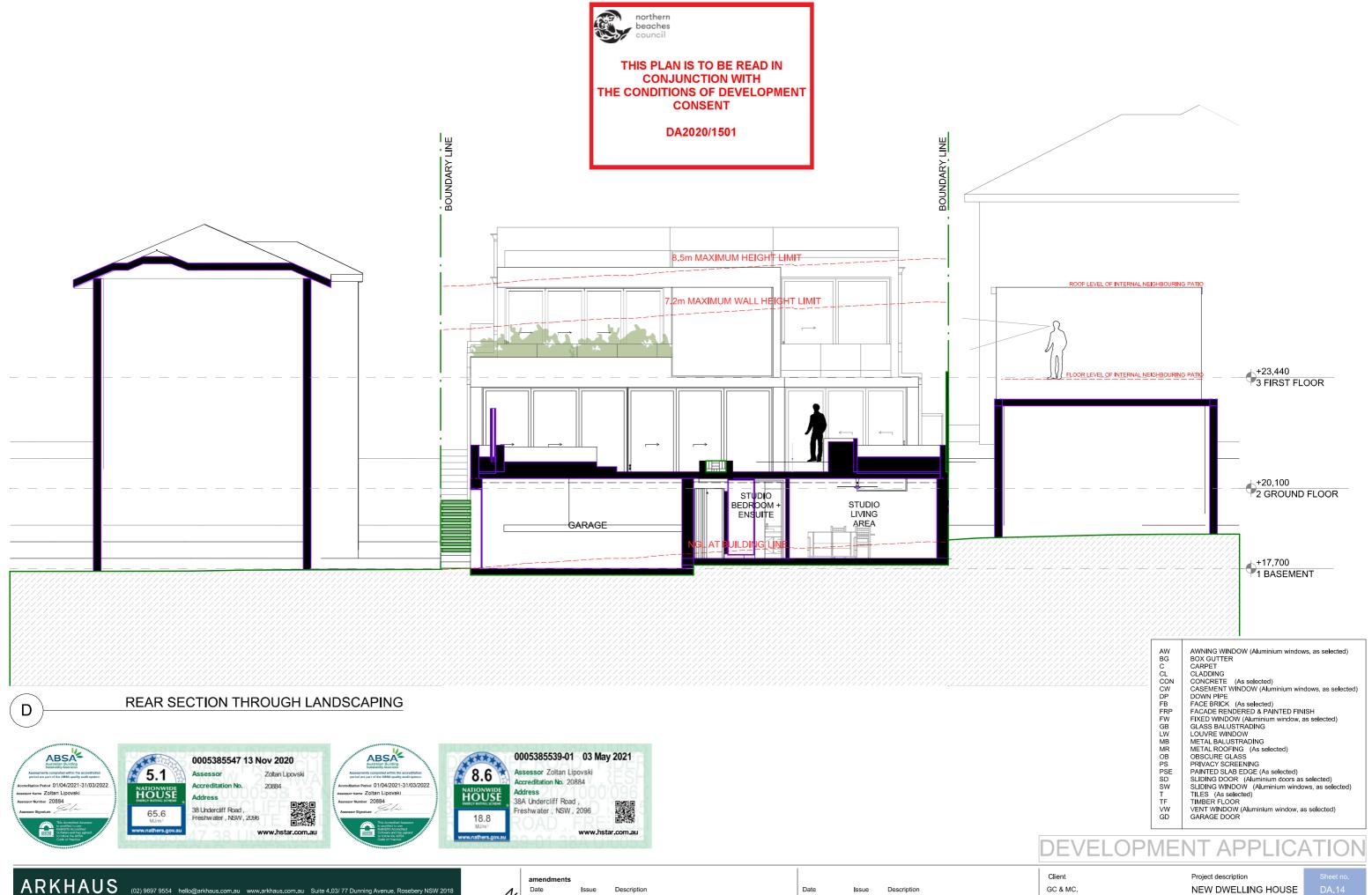
CLADDING
CONCRETE (As selected)
CASEMENT WINDOW (Aluminium windows, as selected)

FACE BRICK (As selected)
FACADE RENDERED & PAINTED FINISH

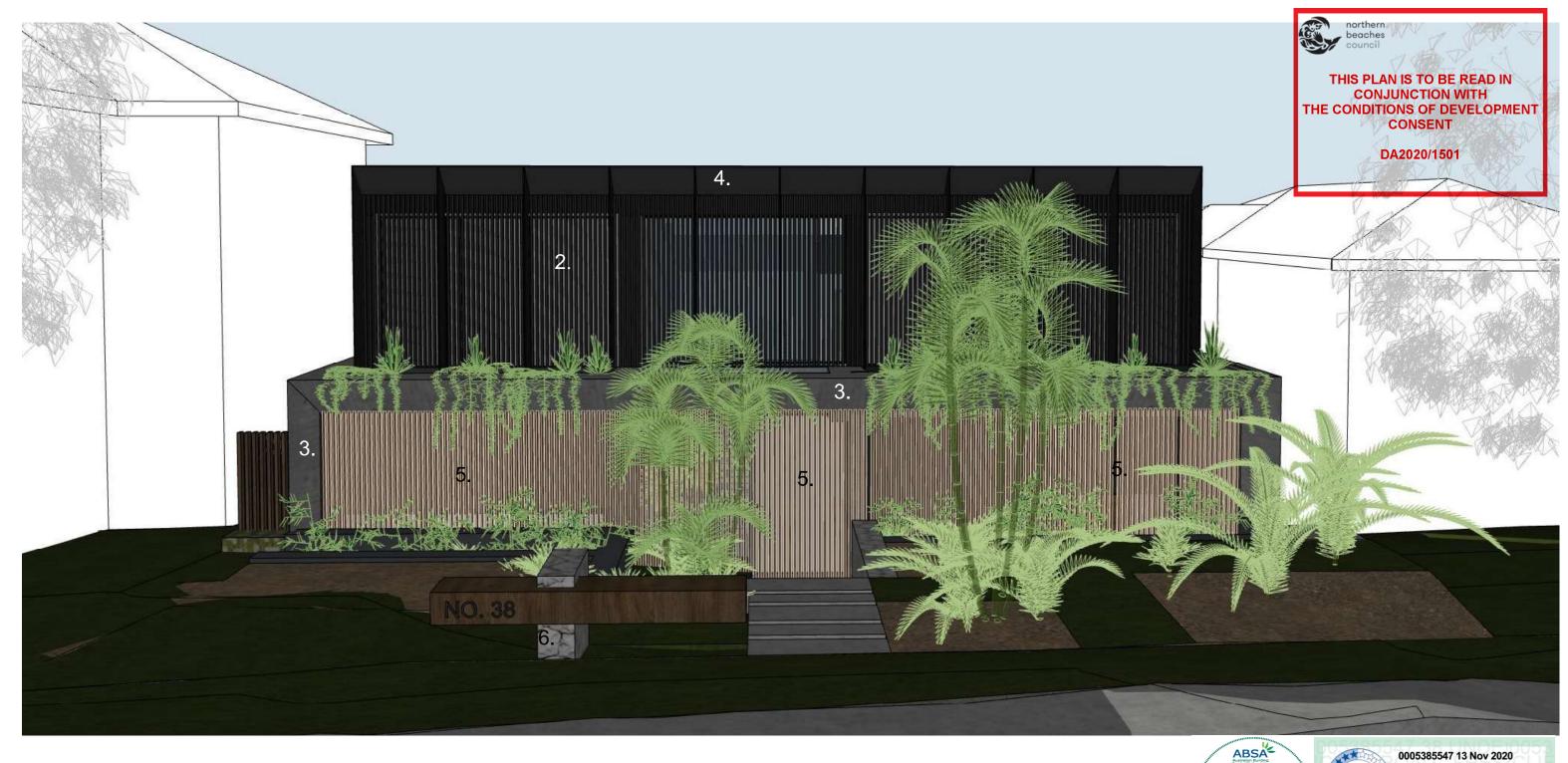
FIXED WINDOW (Aluminium window, as selected)

SLIDING DOOR (Aluminium doors as selected) SLIDING WINDOW (Aluminium windows, as selected)

VENT WINDOW (Aluminium window, as selected)



SECTIONS





WALLS CONCRETE PRECAST



WINDOWS ANODIZED ALUMINIUM WINDOWS, PRIVACY SCREENS & FRONT **FENCE**



WALLS CONCRETE - OFF



WALLS METAL CLADDING



SCREENING TIMBER LOOK **METAL**



FEATURES ECOOUTDOOR STONE CALABOR







0005385539-01 03 May 2021 Assessor Zoltan Lipovski Accreditation No. 20884

Address 38A Undercliff Road , Freshwater, NSW, 2096

DEVELOPMENT APPLICATION

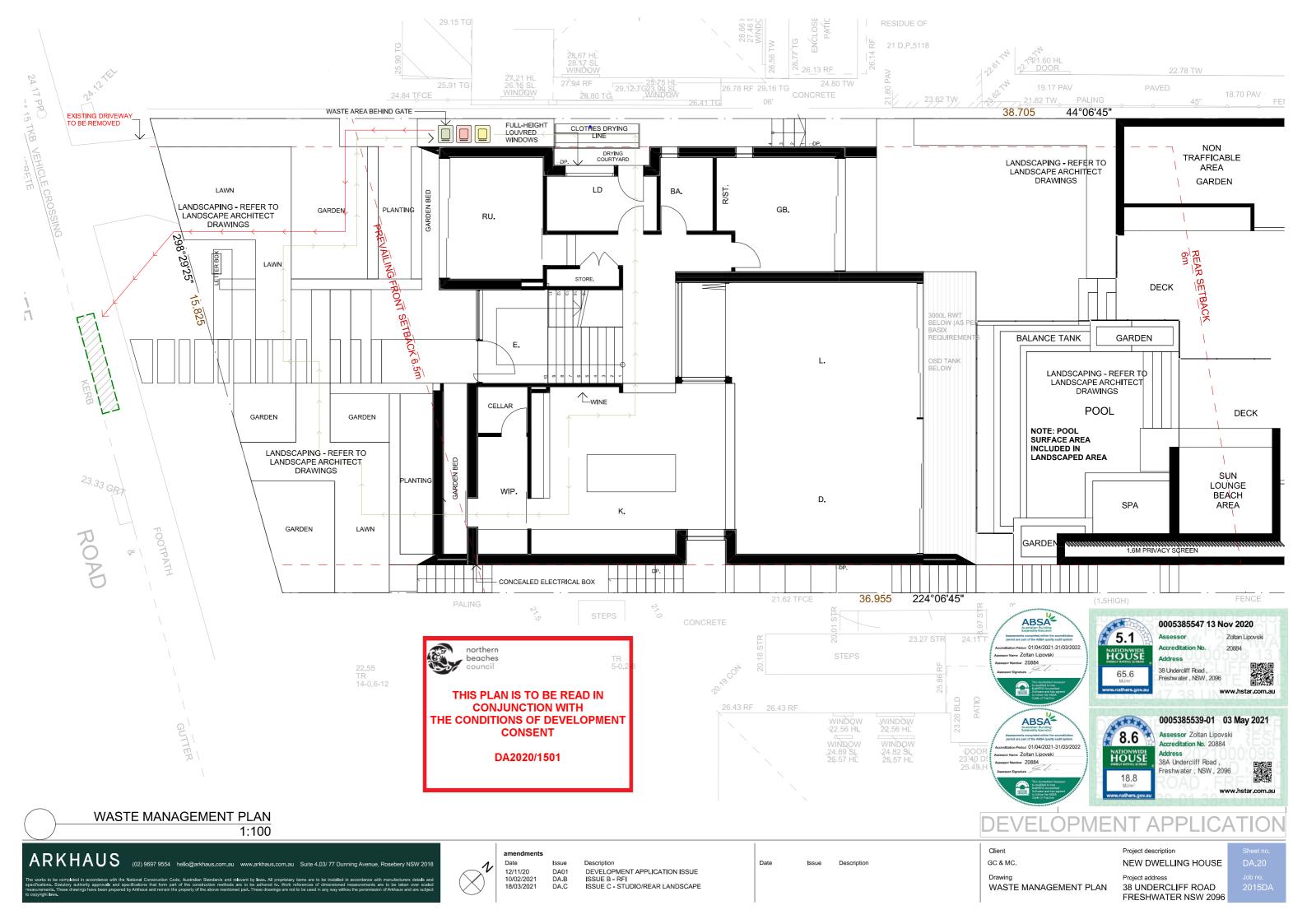
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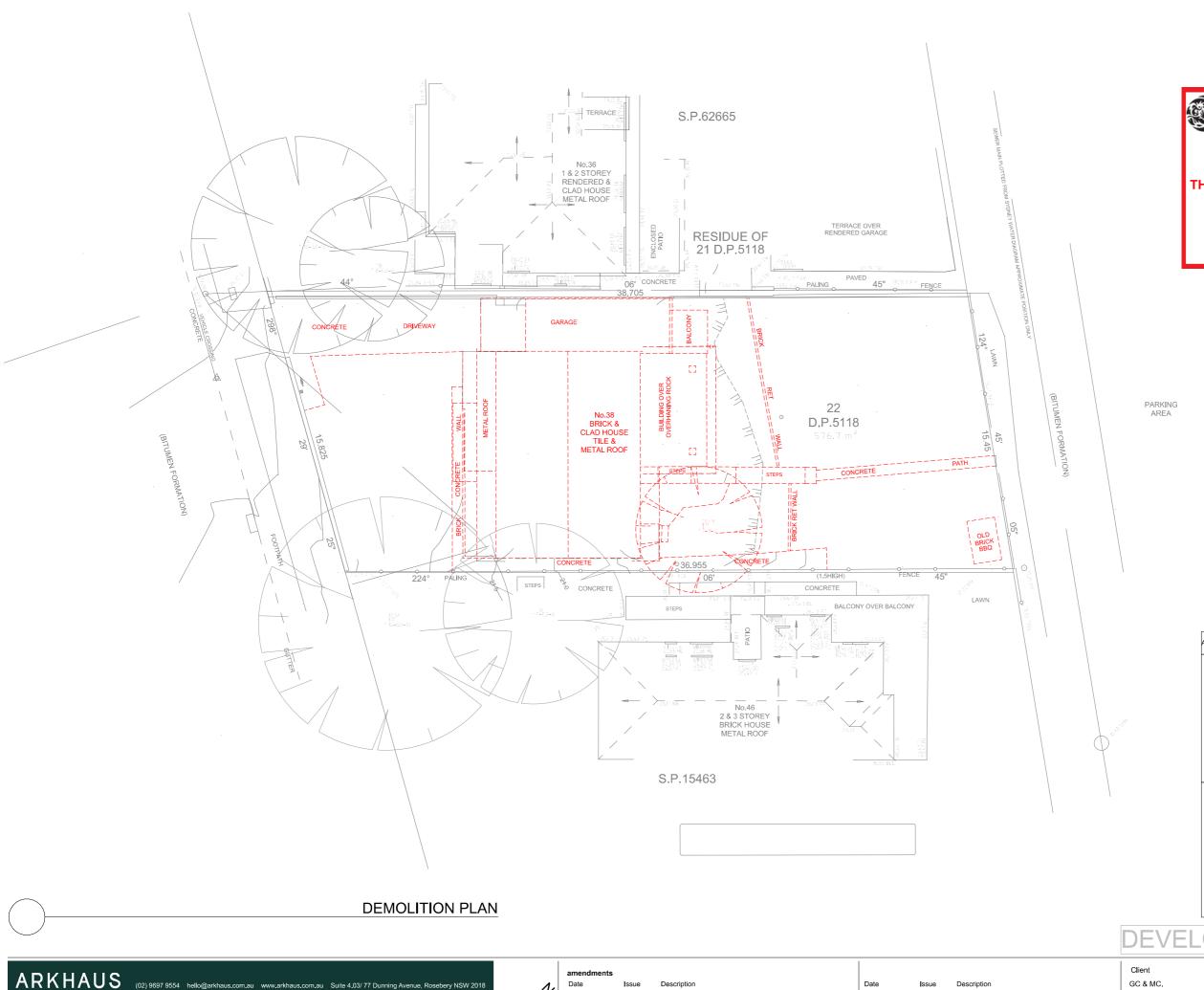
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Client Project description GC & MC. NEW DWELLING HOUSE

Project address COLOURS & FINISHES SCHEDULE UNDERCLIFF ROAD FRESHWATER NSW 2096







THIS PLAN IS TO BE READ IN **CONJUNCTION WITH** THE CONDITIONS OF DEVELOPMENT CONSENT

DA2020/1501

LEGEND

STRUCTURE TO BE DEMOLISHED

EXISITING TREES TO BE REMOVED

ALL DEMOLITION WORK MUST BE IN ACCORDANCE WITH AUSTRALIAN STANDARD A\$2601-2001, DEMOLITION OF STRUCTURES AND RELEVANT ENVIRONMENTAL/OCCUPATIONAL HEALTH AND SAFETY REQUIREMENTS. DEMOLITION WORK REQUIREMENTS

WORK HEALTH AND SAFETY ACT 2011
OCCUPATIONAL HEALTH AND SAFETY (HAZARDOUS SUBSTANCES)

REGULATION 2001
OCCUPATIONAL HEALTH AND SAFETY (ASBESTOS REMOVAL WORK)

OCCUPATIONAL HEALTH AND SAFETY (ASBESTOS REMOVAL WORK)
REGULATION 2001
WORKCOVER NSW CODE OF PRACTICE FOR THE SAFE REMOVAL OF
ASBESTOS
AUSTRALIAN STANDARD 2601 (2001) - DEMOLITION OF STRUCTURES
THE PROTECTION OF THE ENVIRONMENT OPERATIONS ACT 1997
PROTECTION OF THE ENVIRONMENT OPERATIONS (WASTE) REGULATION
2006

RELEVANT OFFICE OF ENVIRONMENT OFERATIONS (WASTE) RESOLUTION
2005
RELEVANT OFFICE OF ENVIRONMENT & HERITAGE / ENVIRONMENT
PROTECTION AUTHORITY
(EPA) AND WORKCOVER NSW GUIDELINES. BLACKTOWN CITY COUNCIL
ASBESTOS POLICY

DEMOLISHER-

Demolition Lic no: Asbestos Lic No: Public Liability No:

XXXXXXXX XXXXXXXXX XXXXXXXX XXXXXXXXX

ALL FIBRO (BONDED ASBESTOS) TO BE REMOVED MANUALLY IN A CORRECT AND SAFE MANNER AS PER WORKCOVER & OH&S REGULATIONS ACT 2001.

ALL ASBESTOS TO BE WETTED DOWN AND WRAPPED WITH PLASTIC AND TRANSPORTED TO WASTE SERVICES FOR DISPOSAL.

THE SITE TO BE BEEN LEFT COMPLETELY CLEAR OF ALL ASBESTOS AND IS SAFE FOR ALL PERSONS TO ENTER THE SITE.

FRESHWATER NSW 2096

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NEW DWELLING HOUSE Project address DEMOLITION PLAN 38 UNDERCLIFF ROAD