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po box 33 woody point qld 4019

## **CERTIFICATE OF ENERGY COMPLIANCE**

ASSESSED DWELLING  
COUNCIL:

**12 Norham Court Carindale QLD 4152**  
Brisbane City Council

Assessment No: 10357

SOLUTION:

Deemed to Satisfy  
BCA Volume 2 Class 1 a 2009 & QDC MP 4.1 A1 (f)  
DTS Method of Assessment Climate Zone 2

ENERGY EFFICIENCY INCLUSIONS : **Proposed Additions**

\*QDC Credit Applied

QDC MP 4.1 A1 (f) **must have**

### **Compliant Outdoor Living Area**

- \* New Pool Patio with Insulation & Ceiling Fan  
55mm Blanket and Foil under Roof or Insulated Panel roof with a Total R Value of R1.5
- + Ceiling Fan @ 900mm diameter

**or**

**Solar Power System Installed - not less than 1 kW**

**+**

- Non Reflective Class 3 Vapour Permeable Water Barrier to all New FC Cladded External Walls
- R1.5 Added Thermal Wall Insulation to all New FC Cladded External Walls
  - 55mm (R1.3) Blanket & Foil to underside of New Iron Roof
  - or R3.0 added Bulk Insulation to Ceiling
  - or Insulated Roof Panel with a Total R Value of not less than R2.7

- R2.5 added Bulk Insulation to Bulkhead Walls (walls to roof space)
- 80% Energy Efficient Lighting QDC A5 (b)
- Internal Ceiling Fans - NIL required
- New Glazing- All Standard Clear Glass
- Draft Seals to External Doors

**Thermal Breaks to Roofs & Walls-** Where metal Sheet Roofing or Light Weight Cladding is Fixed to metal purlins, metal rafters, metal battens or metal frames MUST HAVE A THERMAL BREAK, consisting of a material with an R-Value of not less than 0.2, installed between the metal roof sheeting or wall cladding and its supporting member.

CLIENT: **Building Approvals & Advice**

ASSESSOR: Helen Armstrong

SIGNED BY ASSESSOR:



15.03.2021

ACCREDITATION NO. VIC/BDIV/18/1869

N.B. Any variation from the data listed above will change the results & invalidate the report. The results contained above reflect the accuracy of the information provided to us by others. We accept no responsibility where details may be unintentionally misrepresented leading to an incorrect calculation.



Queensland  
Government

Department of Housing and Public Works

## Form 15—Compliance certificate for building design or specification

Version 4 – July 2017

**NOTE:** This is to be used for the purposes of section 10 of the *Building Act 1975* and/or section 46 of the *Building Regulation 2006*.

**RESTRICTION:** A building certifier (class B) can only give a compliance certificate about whether building work complies with the BCA or a provision of the Queensland Development Code (QDC). A building certifier (Class B) can not give a certificate regarding QDC boundary clearance and site cover provisions.

### 1. Property description

This section need only be completed if details of street address and property description are applicable.

E.g. in the case of (standard/generic) pool design/shell manufacture and/or patio and carport systems this section may not be applicable.

The description must identify all land the subject of the application.

The lot and plan details (e.g. SP/RP) are shown on title documents or a rates notice.

If the plan is not registered by title, provide previous lot and plan details.

**Street address** (include no., street, suburb/locality and postcode)

12 Norham Court Carindale QLD 4152

**Lot and plan details** (attach list if necessary)

Lot NOT NOTED on RP NOT NOTED

**In which local government area is the land situated?**

Brisbane City Council

### 2. Description of component/s certified

Clearly describe the extent of work covered by this certificate, e.g. all structural aspects of the steel roof beams.

. 2009 Deemed to Satisfy Method Energy Efficiency BCA 2009 + .QDC MP 4.1 -

### 3. Basis of certification

Detail the basis for giving the certificate and the extent to which tests, specifications, rules, standards, codes of practice and other publications, were relied upon.

The assessment has been given off the plans and no accuracy of the plans is provided by House of Stars.

### 4. Reference documentation

Clearly identify any relevant documentation, e.g. numbered structural engineering plans.

jessica hardwick architecture project number 0901 issue 9 PAGES 8 OF 8  
DATED 03.03.21

### LOCAL GOVERNMENT USE ONLY

Date received

Reference Number/s

### 5. Building certifier reference number

**Building certifier reference number**

Refer to Building Certifier

## 6. Competent person details

A competent person for building work, means a person who is assessed by the building certifier for the work as competent to practice in an aspect of the building and specification design, of the building work because of the individual's skill, experience and qualifications in the aspect. The competent person must also be registered or licensed under a law applying in the State to practice the aspect.

If no relevant law requires the individual to be licensed or registered to be able to give the help, the certifier must assess the individual as having appropriate experience, qualifications or skills to be able to give the help.

If the chief executive issues any guidelines for assessing a competent person, the building certifier must use the guidelines when assessing the person.

## 7. Signature of competent person

This certificate must be signed by the individual assessed by the building certifier as competent.

### Name (in full)

Helen Louise Armstrong

### Company name (if applicable)

House of Stars

### Contact person

Helen Armstrong

### Phone no. (business hours) Mobile no.

0421 166 516

0421 166 516

### Fax no.

n/a

### Email address

helen@houseofstars.com.au

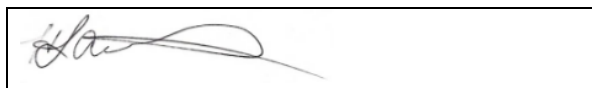
### Postal address

P.O Box 33 Woody Point QLD 4019

### Licence or registration number (if applicable)

ACCREDITATION NO. VIC/BDAY/18/1869

### Signature



### Date

15.03.2021

The *Building Act 1975* is administered by the Department of Housing and Public Works

## External Glazing PART 3.12.2.1

Refer Glazing Calculator

U Value & SHGC reflected in Glazing Calculator- see Glazing Calculator

## GLAZING CALCULATOR FOR USE WITH PART 3.12.2, BCA VOLUME TWO (HOUSING)

HELP

Climate zone Building name/description

2

Building Approvals & Advice 12 Norham Court Carindale

Storey Floor Constructn Type A Type B

1

Area of Floor

128m<sup>2</sup>

Air Movement

1.1S

Glazing area 33.6m<sup>2</sup> (26% of area of floor Type A)

Note: Air Movement level must be separately verified

Number of rows preferred in table below

10 (as currently displayed)

### CONSTANTS

Type A Type B

C<sub>U</sub> / C<sub>SHGC</sub> 2.5 / 0.15

### ALLOWANCES

C<sub>U</sub> x Area 320.7

C<sub>SHGC</sub> x Area 19.5

| GLAZING ELEMENTS, ORIENTATION, SIZE and PERFORMANCE CHARACTERISTICS |    |                        |              |              |            |           |             |                      | SHADING       |       | CALCULATION DATA |      |          | CALCULATED OUTCOMES - OK (if inputs are valid) |          |                                      |                 |                                      |            |
|---------------------------------------------------------------------|----|------------------------|--------------|--------------|------------|-----------|-------------|----------------------|---------------|-------|------------------|------|----------|------------------------------------------------|----------|--------------------------------------|-----------------|--------------------------------------|------------|
| Glazing element                                                     |    | Orientation            |              | Size         |            |           | Performance |                      | P&H or device |       | Exposure         |      | Size     | Conductance - PASSED                           |          | Solar heat gain - PASSED             |                 |                                      |            |
| <input type="checkbox"/>                                            | ID | Description (optional) | Floor type A | Floor type B | Height (m) | Width (m) | Area (m²)   | Total U-Value (NFRC) | SHGC (NFRC)   | P (m) | H (m)            | P/H  | E factor | Area used (m²)                                 | U x area | Element share of % of allowance used | SHGC x E x area | Element share of % of allowance used |            |
|                                                                     | 1  | LIVING/DINING          | E            |              | 2.40       | 2.70      |             | 6.5                  | 0.76          | 3.50  | 2.95             | 0.59 | 0.60     | 6.48                                           | 42.1     | 19% of 68%                           | 3.0             | 15% of 99%                           |            |
|                                                                     | 2  |                        | E            |              | 1.80       | 2.70      |             | 6.5                  | 0.76          | 3.50  | 2.55             | 0.69 | 0.56     | 4.86                                           | 31.6     | 14% of 68%                           | 2.1             | 11% of 99%                           |            |
|                                                                     | 3  |                        | E            |              | 1.80       | 0.45      |             | 6.5                  | 0.76          | 3.50  | 2.65             | 0.66 | 0.57     | 0.81                                           | 5.3      | 2% of 68%                            | 0.4             | 2% of 99%                            |            |
|                                                                     | 4  |                        | N            |              | 1.80       | 0.90      |             | 6.5                  | 0.76          | 0.70  | 2.65             | 0.13 | 0.52     | 1.62                                           | 10.5     | 5% of 68%                            | 0.6             | 3% of 99%                            |            |
|                                                                     | 5  |                        | N            |              | 1.80       | 2.70      |             | 6.5                  | 0.76          | 0.70  | 2.65             | 0.13 | 0.52     | 4.86                                           | 31.6     | 14% of 68%                           | 1.9             | 10% of 99%                           |            |
|                                                                     | 6  |                        | W            |              | 1.07       | 2.70      |             | 6.5                  | 0.76          |       |                  |      |          | 1.34                                           | 2.89     | 18.8                                 | 9% of 68%       | 2.9                                  | 15% of 99% |
|                                                                     | 7  | ENTRY                  | S            |              | 2.10       | 0.92      |             | 6.5                  | 0.76          |       |                  |      |          | 0.72                                           | 1.93     | 12.6                                 | 6% of 68%       | 1.1                                  | 5% of 99%  |
|                                                                     | 8  | LAUNDRY                | W            |              | 2.10       | 0.82      |             | 6.5                  | 0.76          |       |                  |      |          | 1.34                                           | 1.72     | 11.2                                 | 5% of 68%       | 1.8                                  | 9% of 99%  |
|                                                                     | 9  | MEDIA                  | W            |              | 1.20       | 1.80      |             | 6.5                  | 0.76          |       |                  |      |          | 1.34                                           | 2.16     | 14.0                                 | 6% of 68%       | 2.2                                  | 11% of 99% |
|                                                                     | 10 | KITCHEN                | N            |              | 2.10       | 3.00      |             | 6.5                  | 0.76          |       |                  |      |          | 0.72                                           | 6.30     | 41.0                                 | 19% of 68%      | 3.4                                  | 18% of 99% |

### IMPORTANT NOTICE AND DISCLAIMER IN RESPECT OF THE GLAZING CALCULATOR

The Glazing Calculator has been developed by the ABCB to assist in developing a better understanding of glazing energy efficiency parameters.

While the ABCB believes that the Glazing Calculator, if used correctly, will produce accurate results, it is provided "as is" and without any representation or warranty of any kind, including that it is fit for any purpose or of merchantable quality, or functions as intended or at all.

Your use of the Glazing Calculator is entirely at your own risk and the ABCB accepts no liability of any kind.

If inputs (including air movement levels) are valid



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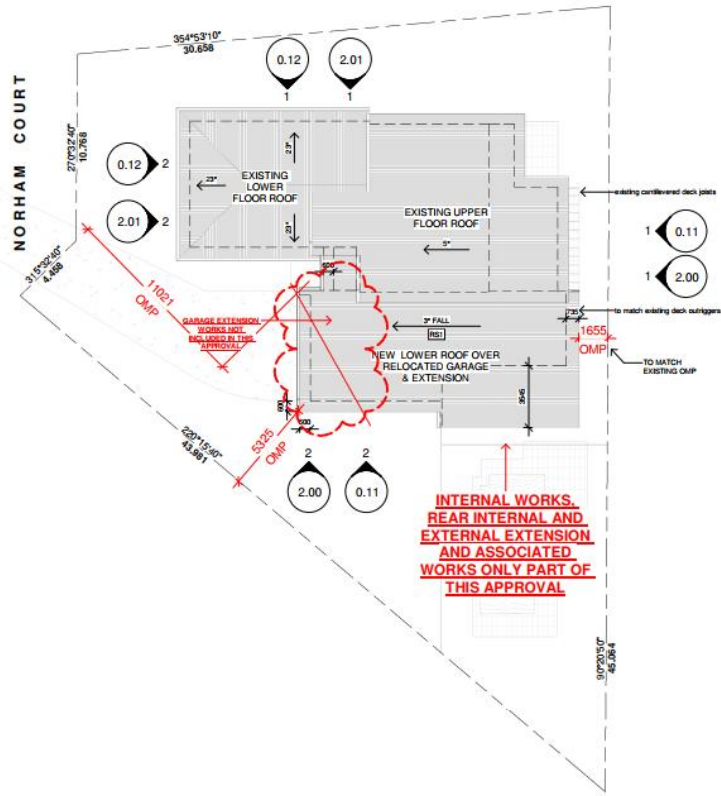
## 3.12.4 Air Movement

Habitable Rooms Without a Ceiling Fan 10% with a Ceiling Fan 5%

NO CEILING FANS REQUIRED

Complies





**CHECK DIMENSIONS**  
 BUILDER TO CHECK ALL DIMENSIONS ON SITE PRIOR TO CONSTRUCTION.  
 CLIENT-SUPPLIED INFORMATION HAS BEEN UTILISED IN PREPARING THIS DOCUMENTATION.

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 jh

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**meredith + scott's**

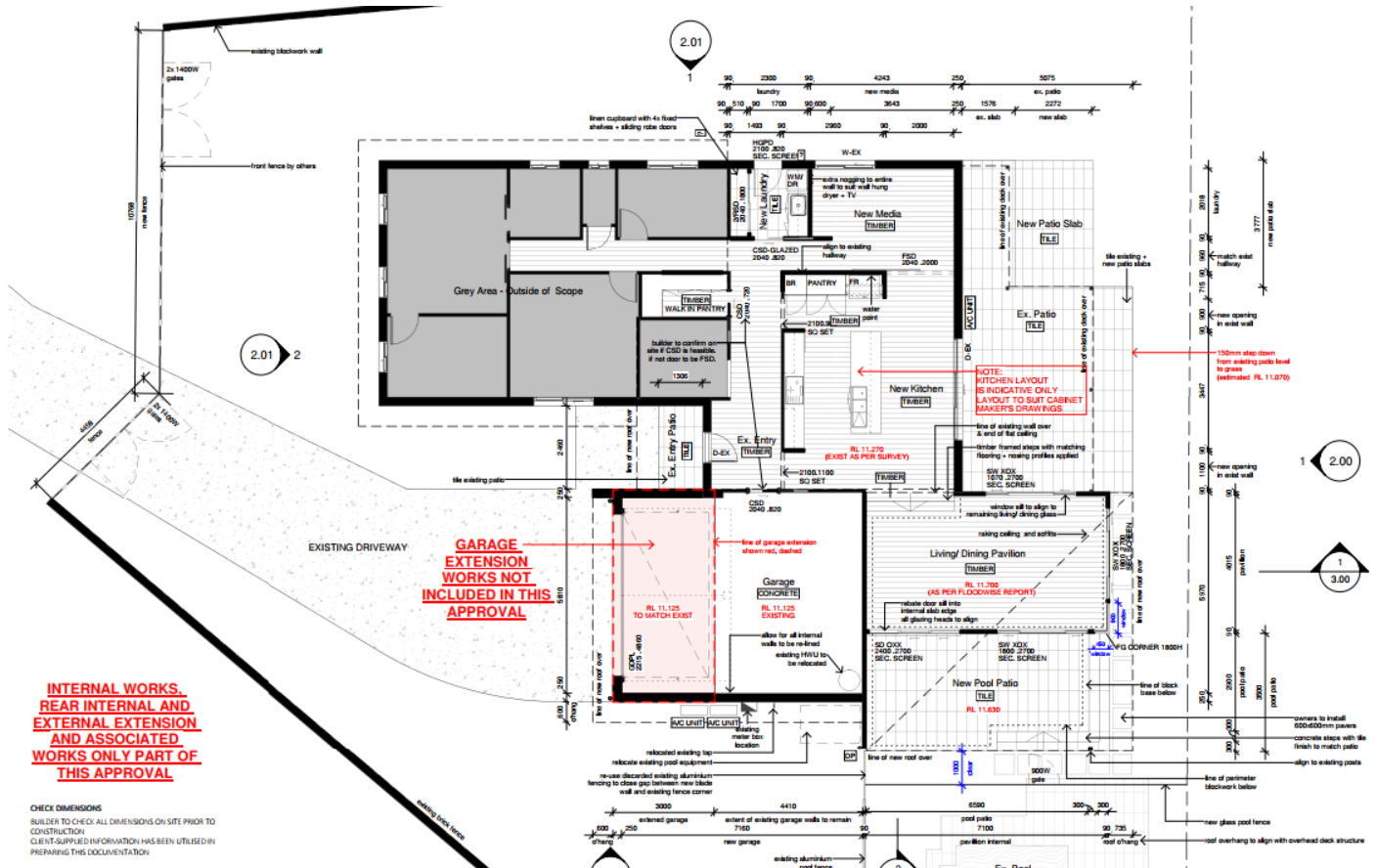
alterations + additions  
 12 norham crt, carindale  
 project number 0901

**SITE + ROOF PLAN**

sheet number 0.01  
 scale (A3) 1:200

north

status SD  
 date 03.03.21  
 issue 9



**CHECK DIMENSIONS**  
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 project number 0901

**PROPOSED LOWER PLAN**

sheet number 1.10  
 scale (A3) 1:100

north

status SD  
 date 03.03.21  
 issue 9

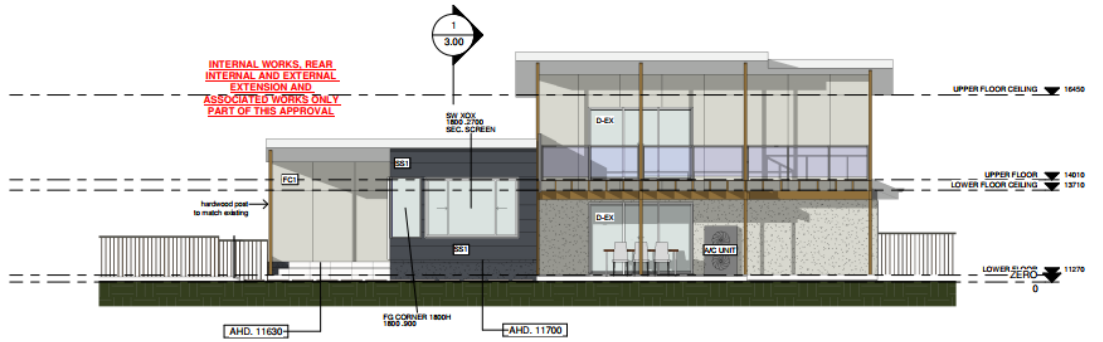
# SCHEDULE OF WALL FINISHES

FC1 FC PANELS WITH TIMBER COVER STRIPS  
SS1 SCYON STRA CLADDING 405MM  
RBS RENDERED BLUE BOARD

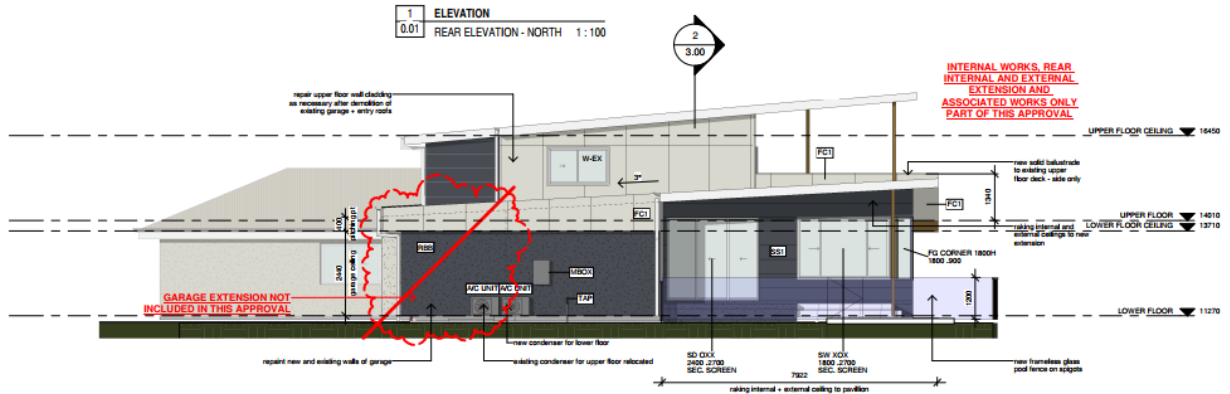
WINDOWS GENERALLY  
POWDERCOATED ALUMINIUM FRAMES

FLOOR FINISHES  
TILE FLOOR TILE  
TIMBER ENGINEERED TIMBER FLOORING  
CONCRETE FLOAT FINISHED CONCRETE

ROOF FINISHES  
RS ROOF SHEETING - CUSTOM ORB ACCENT 25  
EG EAVES GUTTERS - TO MATCH EXISTING  
DP 100mm DIA. PVC



1 ELEVATION  
0.01 REAR ELEVATION - NORTH 1:100



2 ELEVATION  
0.01 SIDE ELEVATION - EAST 1:100

## CHECK DIMENSIONS

BUILDER TO CHECK ALL DIMENSIONS ON SITE PRIOR TO CONSTRUCTION.  
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project number 0901

## PROPOSED ELEVATIONS

sheet number 2.00 north  
scale (A3) 1:100

status SD  
date 03.03.21  
issue 9

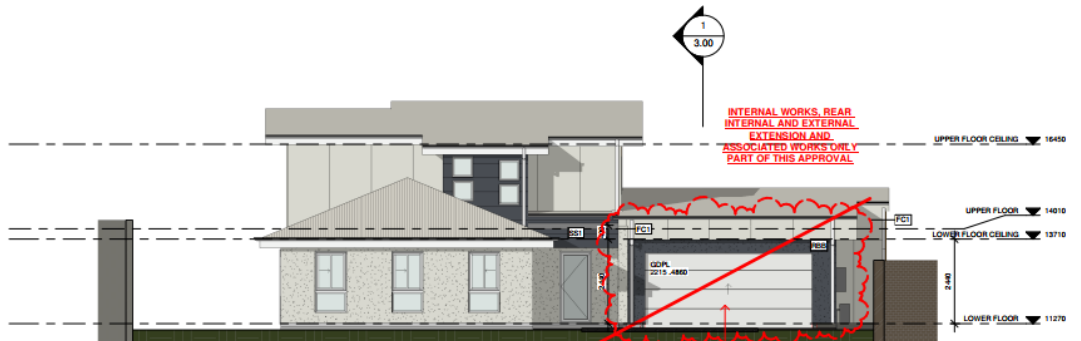
# SCHEDULE OF WALL FINISHES

FC1 FC PANELS WITH TIMBER COVER STRIPS  
SS1 SCYON STRA CLADDING 405MM  
RBS RENDERED BLUE BOARD

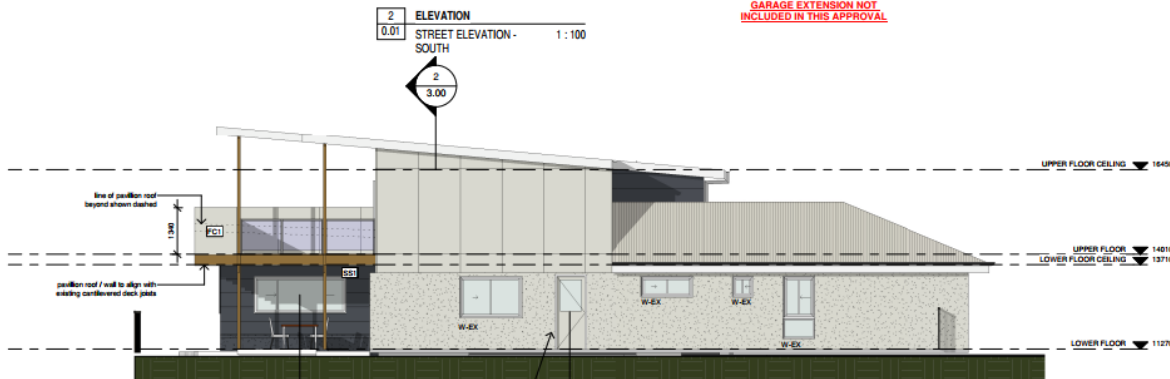
WINDOWS GENERALLY  
POWDERCOATED ALUMINIUM FRAMES

FLOOR FINISHES  
TILE FLOOR TILE  
TIMBER ENGINEERED TIMBER FLOORING  
CONCRETE FLOAT FINISHED CONCRETE

ROOF FINISHES  
RS ROOF SHEETING - CUSTOM ORB ACCENT 25  
EG EAVES GUTTERS - TO MATCH EXISTING  
DP 100mm DIA. PVC



2 ELEVATION  
0.01 STREET ELEVATION - SOUTH 1:100



1 ELEVATION  
0.01 SIDE ELEVATION (ESWN) 1:100

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## PROPOSED ELEVATIONS

sheet number 2.01 north  
scale (A3) 1:100

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