

No part of the candidate's evidence in this exemplar material may be presented in an external assessment for the purpose of gaining an NZQA qualification or award.



Mana Tohu Mātauranga o Aotearoa
New Zealand Qualifications Authority

Level 3 Design and Visual Communication 2024

91631 Produce working drawings to communicate production details for a complex design

Merit

TOTAL 05

RENDERS OF MY ARCHITECTURAL OUTCOME



Sheet Index		
Layout ID	Layout Name	Issued
101	GROUND FLOOR	<input type="checkbox"/>
102	1ST FLOOR	<input type="checkbox"/>
103	ROOF	<input type="checkbox"/>
201	SECTION A-A	<input type="checkbox"/>
202	SECTION B-B	<input type="checkbox"/>
301	EXTERIOR ELEVATIONS	<input type="checkbox"/>
302	EXTERIOR ELEVATIONS	<input type="checkbox"/>
303	INTERIOR ELEVATIONS	<input type="checkbox"/>
401	EXTERIOR DETAIL	<input type="checkbox"/>
501	PERSPECTIVE VIEWS	<input type="checkbox"/>
502	CUTAWAY VIEWS	<input type="checkbox"/>

SHEET INDEX / STUDENT
OUTCOME

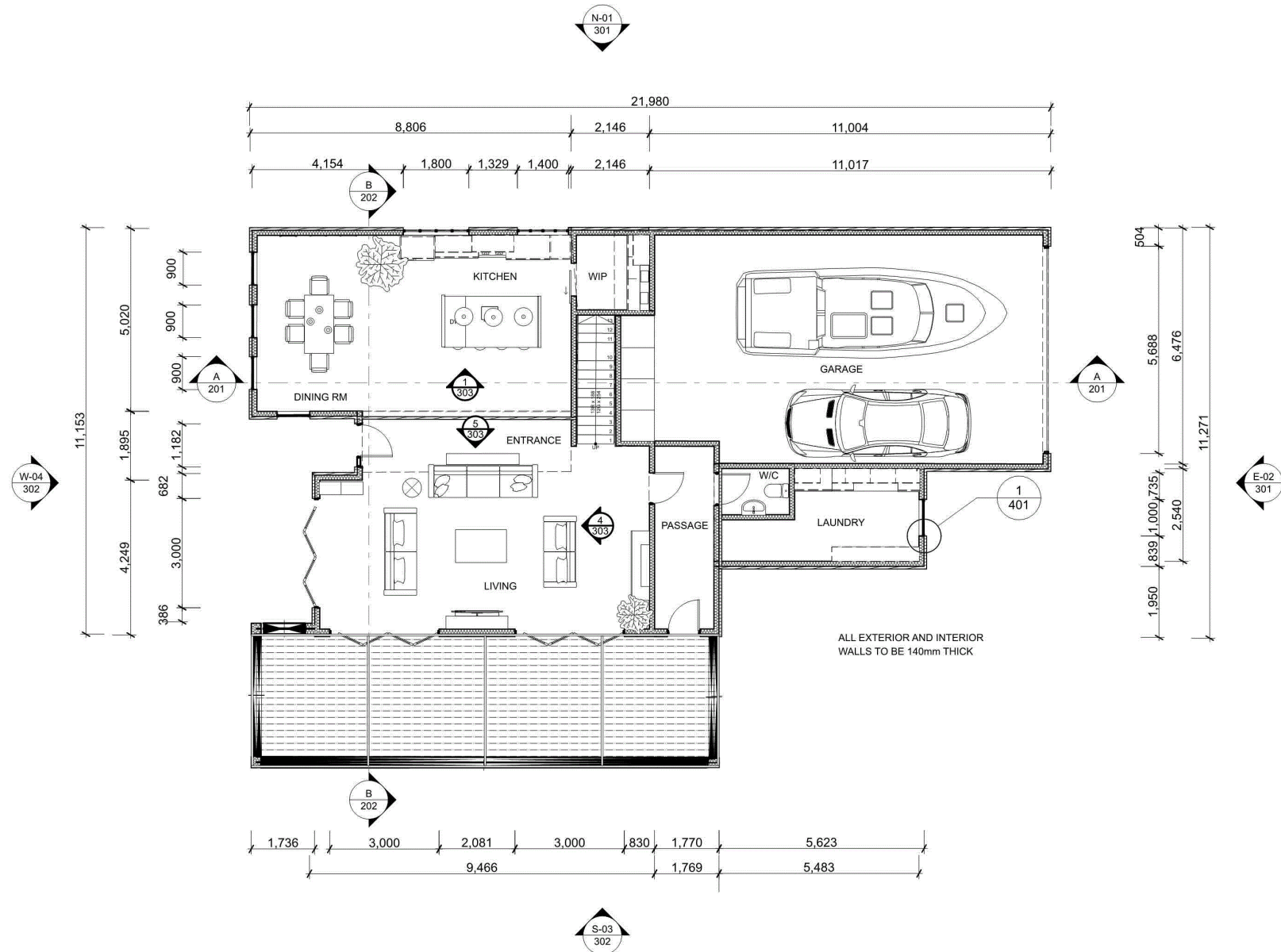
SCALE 1:1

ALL DIMENSIONS IN mm

ISSUED: 25/10/24

SHEET

001



1

GROUND FLOOR

1:100

GROUND FLOOR

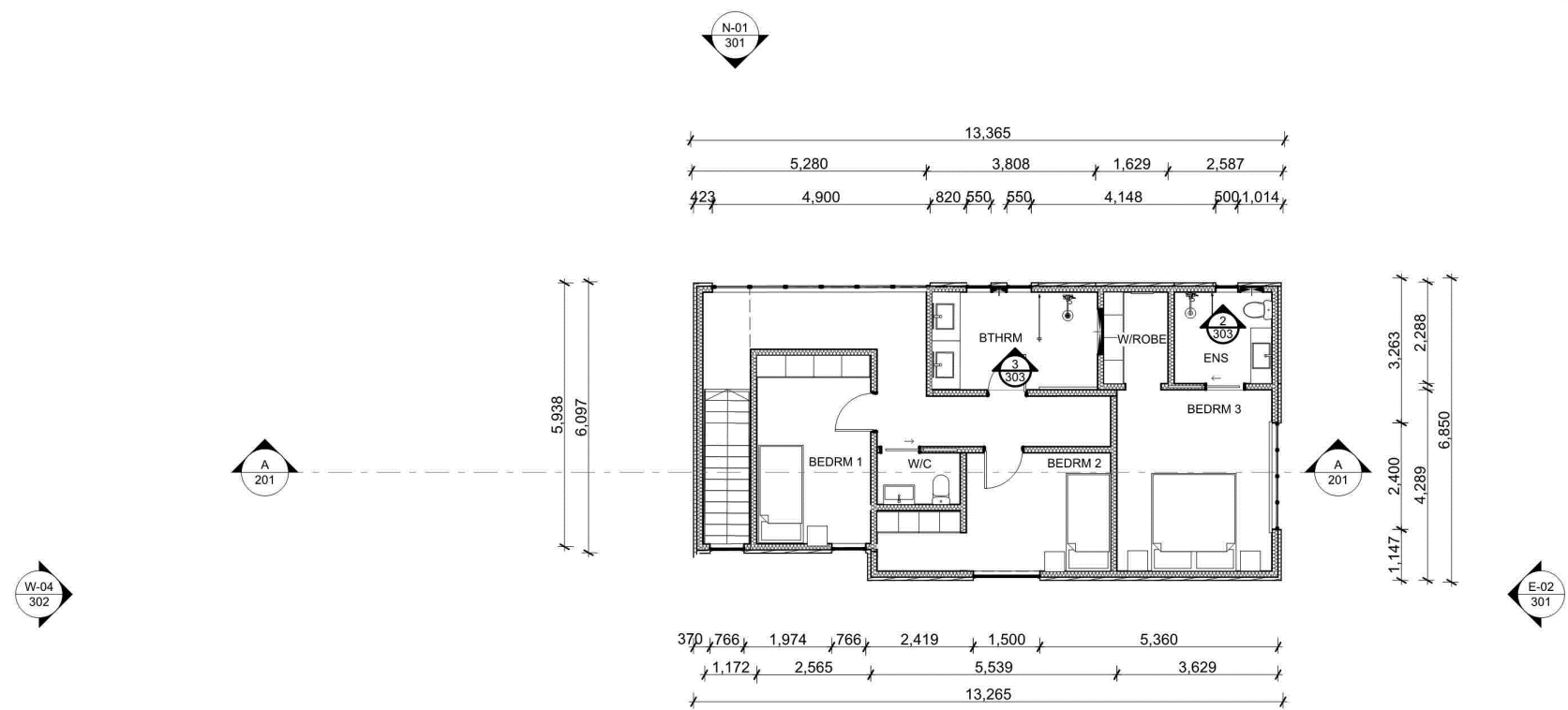
SCALE 1:100

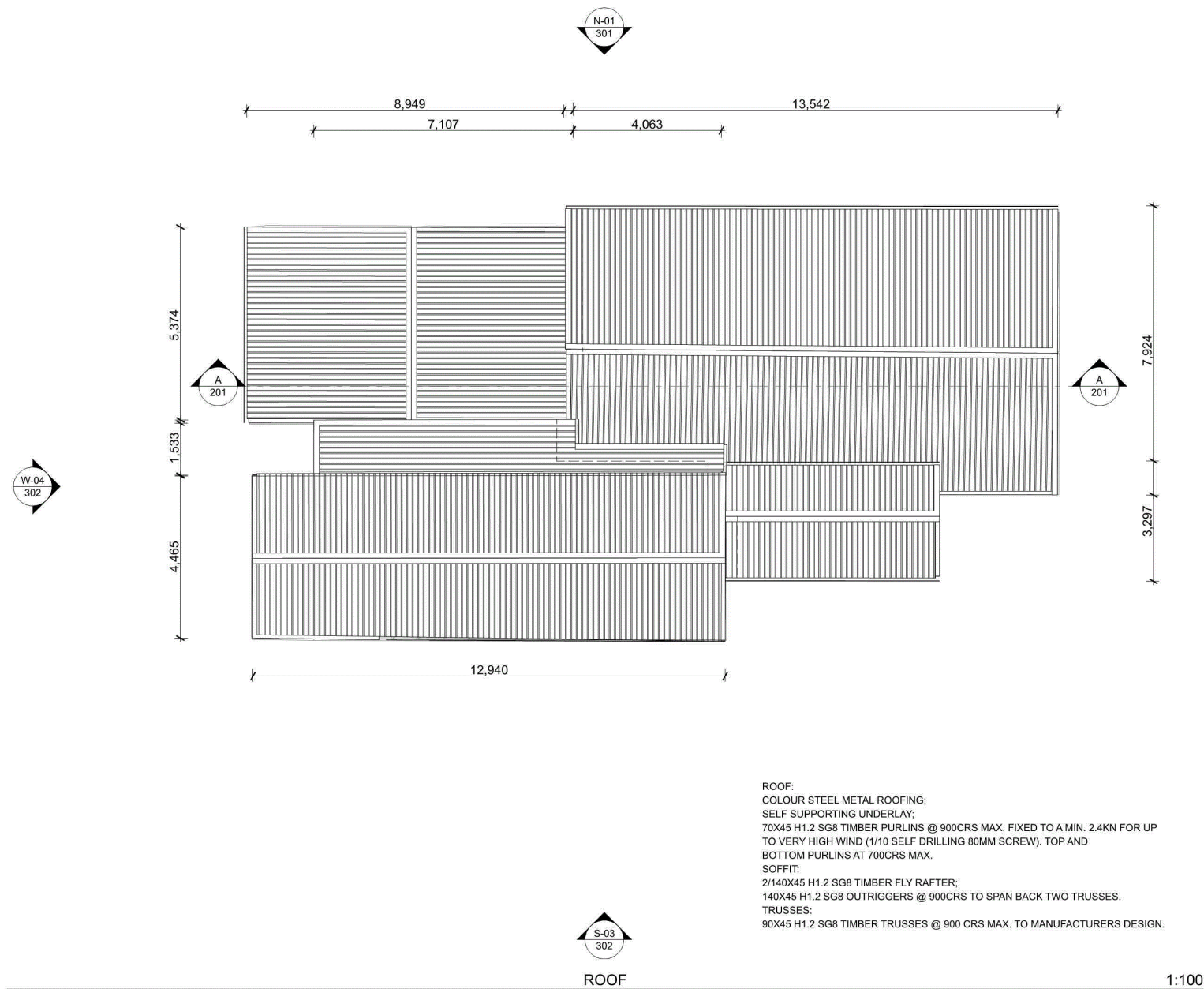
ALL DIMENSIONS IN mm

ISSUED: 25/10/24

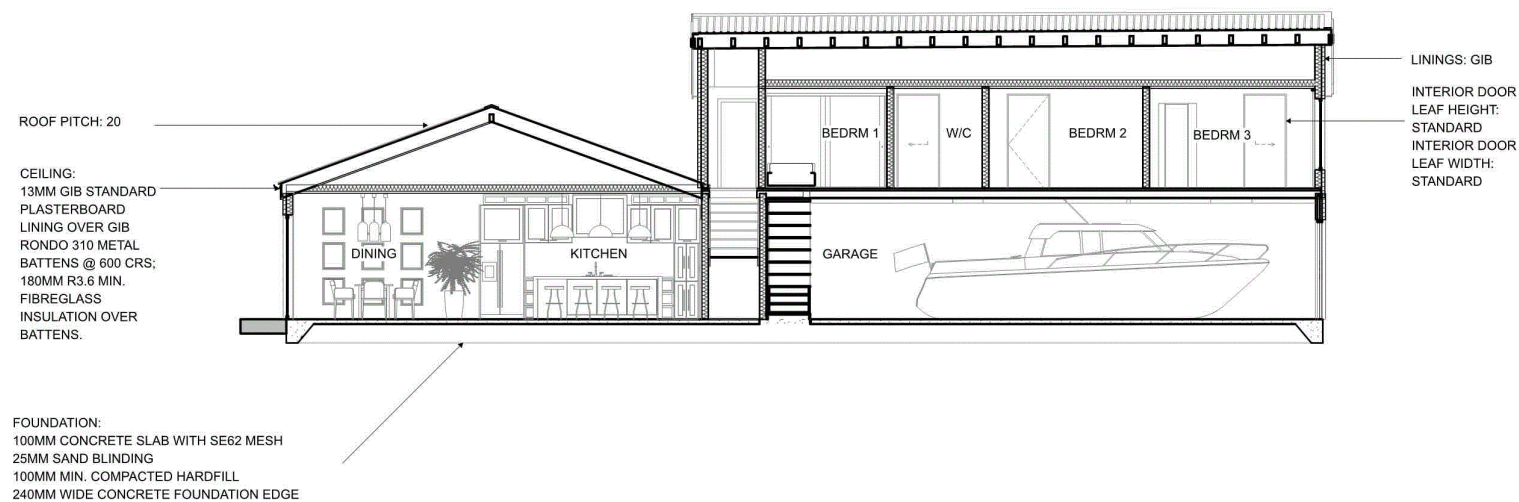
SHEET

101





SHEET	ROOF
	SCALE 1:100 ALL DIMENSIONS IN mm ISSUED: 25/10/24
103	



A

SECTION A-A

1:100

SECTION A-A

SHEET

SCALE 1:100

ALL DIMENSIONS IN mm

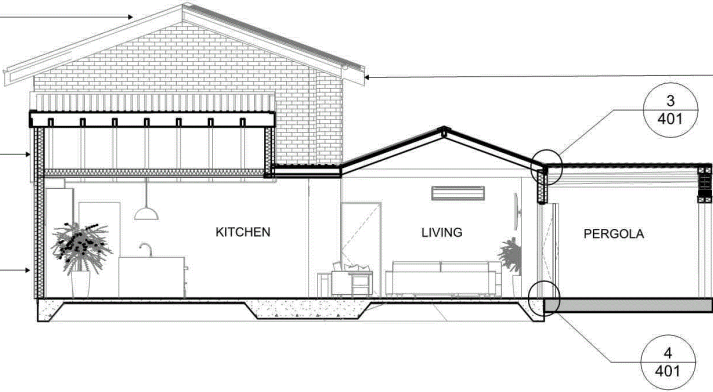
ISSUED: 25/10/24

201

ROOF:
COLOUR STEEL METAL ROOFING;
SELF SUPPORTING UNDERLAY;
70X45 H1.2 SG8 TIMBER PURLINS @
900CRS MAX. FIXED TO A MIN. 2.4KN FOR
UP TO VERY HIGH WIND (1/10 SELF
DRILLING 80MM SCREW). TOP AND
BOTTOM PURLINS AT 700CRS MAX.

TRUSSES:
90X45 H1.2 SG8 TIMBER TRUSSES @ 900
CRS MAX. TO MANUFACTURERS DESIGN.

EXTERIOR WALLS:
BRICKS, OVER 50MM CAVITY
BUILDING WRAP
90X45 H1.2 SG8 TIMBER WALL FRAMING,
STUDS @ 600 CRS,
DWANGS @ 800 CRS
90MM R2.8 FIBREGLASS INSULATION
10MM GIB STANDARD PLASTERBOARD
LININGS (10MM GIB
AQUALINE TO WET AREAS).



SPOUTING & FASCIA:
QUARTER-ROUND
COLORSTEEL SPOUTING TO;
180MM COLORSTEEL FASCIA.

B

SECTION B-B

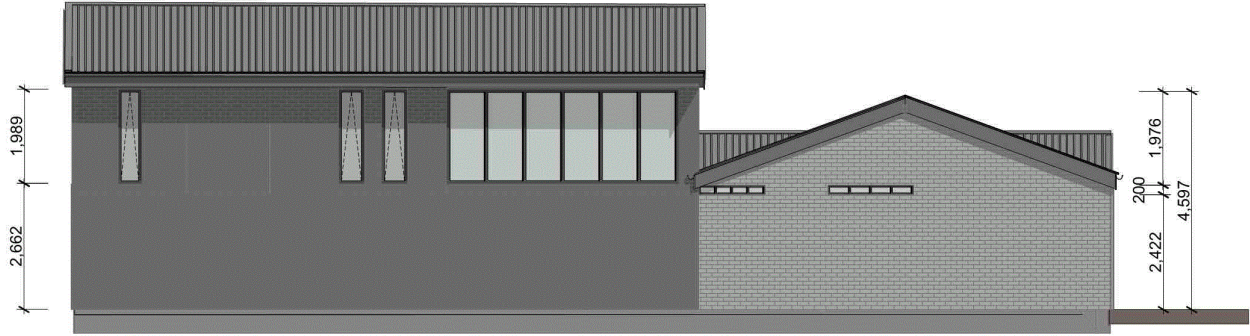
1:100

SECTION B-B

SCALE 1:100
ALL DIMENSIONS IN mm
ISSUED: 25/10/24

SHEET

202



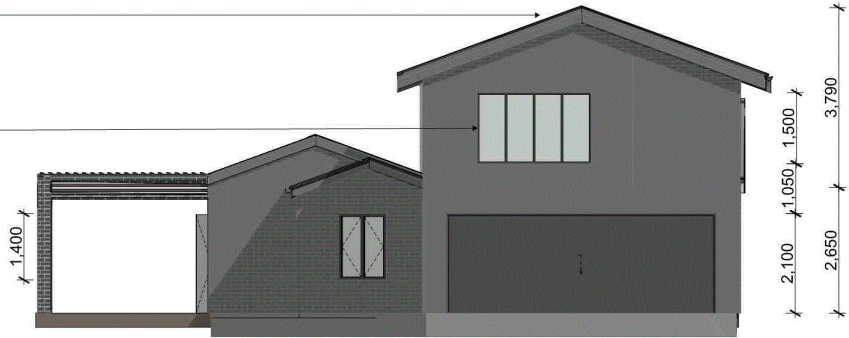
1

NORTH ELEVATION

1:100

ROOF
COLOUR STEEL METAL
PROFILE ROOFING
(COLOUR TO BE
SELECTED)
COLOUR STEEL ROOFING
OVER SELF-SUPPORTING
ROOF UNDERLAY

EXTERNAL WINDOW &
DOOR JOINERY
ALL WINDOWS AND
DOORS TO BE POWDER
COATED DOUBLE GLAZED
ALUMINIUM JOINERY.
GLAZING TO COMPLY
WITH NZS 4223



2

EAST ELEVATION

1:100

EXTERIOR ELEVATIONS

SHEET

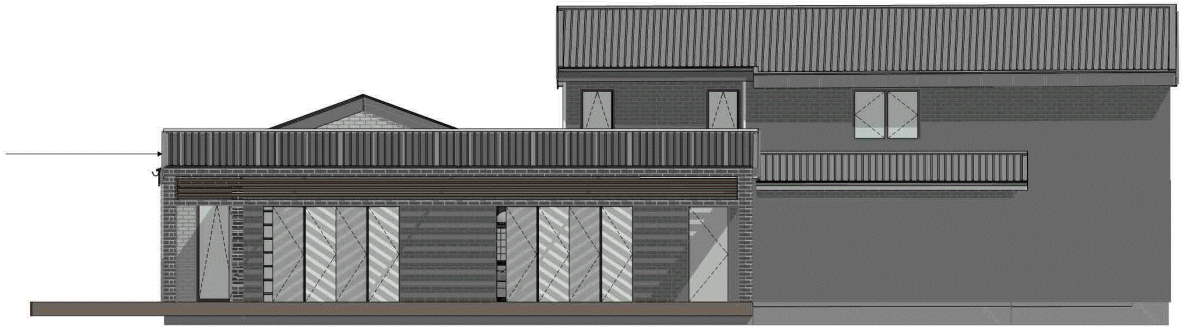
SCALE 1:100

ALL DIMENSIONS IN mm

ISSUED: 25/10/24

301

INSULATION
WALLS: 90MM R2.8 FIBREGLASS
INSULATION;
ROOF: 180MM R3.6 MIN
FIBREGLASS INSULATION OVER
BATTENS



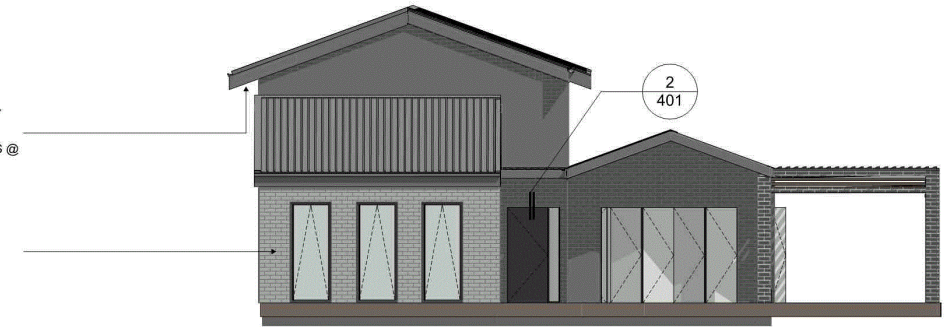
3

SOUTH ELEVATION

1:100

SOFFIT:
2/140X45 H1.2 SG8 TIMBER FLY
RAFTER;
140X45 H1.2 SG8 OUTRIGGERS @
900CRS TO SPAN BACK TWO
TRUSSES.

BRICKS, OVER 20MM CAVITY



4

WEST ELEVATION

1:100

EXTERIOR ELEVATIONS

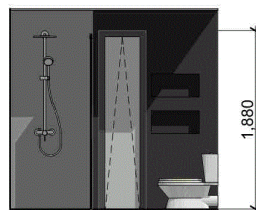
SCALE 1:100
ALL DIMENSIONS IN mm
ISSUED: 25/10/24

SHEET

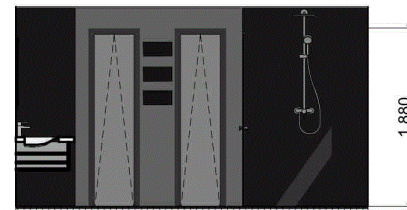
302



1 KITCHEN 1:50



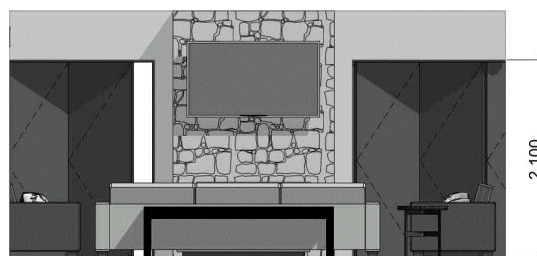
2 ENSUITE 1:50



3 BATHROOM 1:50



4 LIVING NORTH 1:50



5 LIVING WEST 1:50

INTERIOR ELEVATIONS

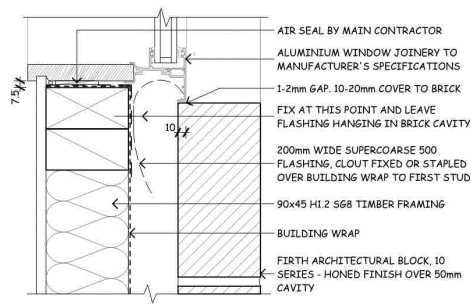
SCALE 1:50

ALL DIMENSIONS IN mm

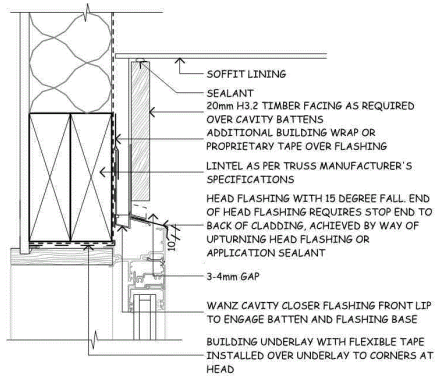
ISSUED: 25/10/24

SHEET

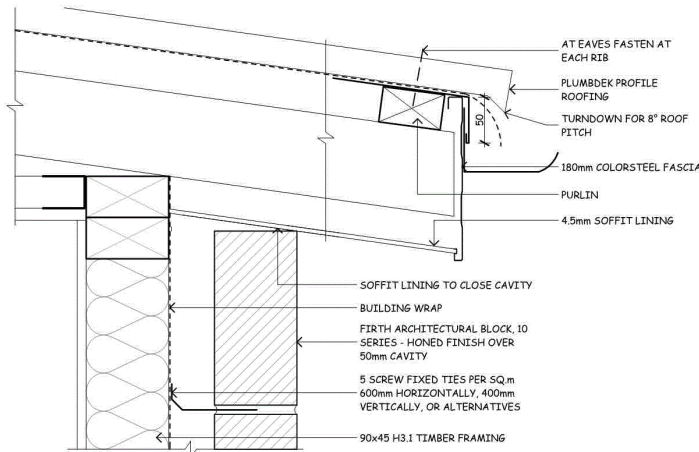
303



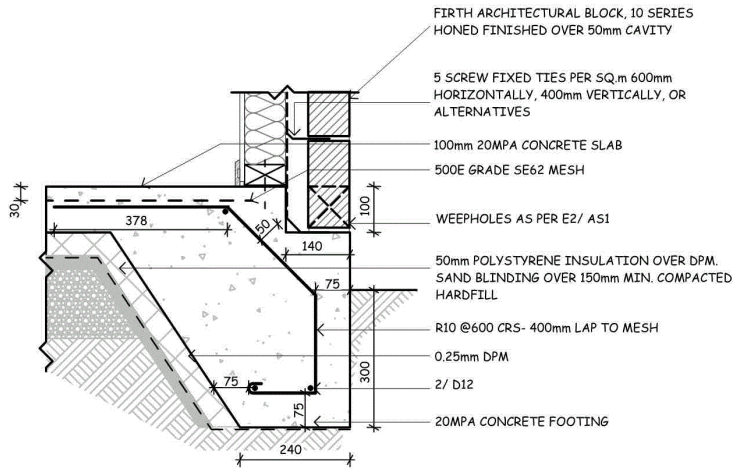
BLOCK WINDOW JAMB
SCALE 1:5
DETAIL 1



FRONT DOOR HEAD
SCALE 1:5
DETAIL 2

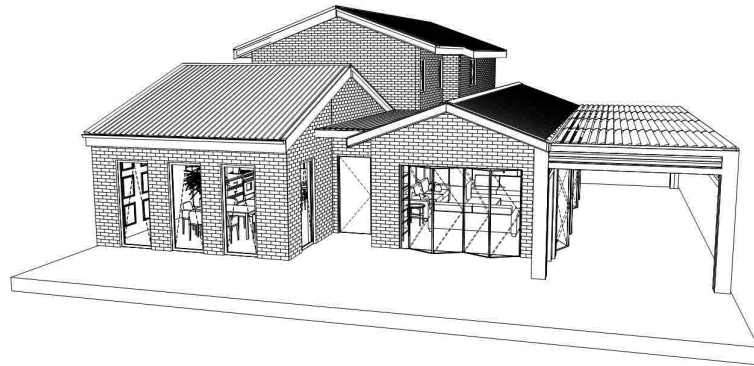


EAVES WITH BLOCK WALL
SCALE 1:5
DETAIL 3

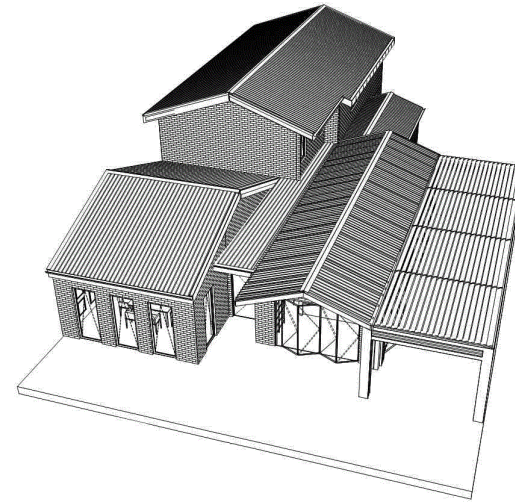


BLOCK FOUNDATION DETAIL
SCALE 1:10
DETAIL 4

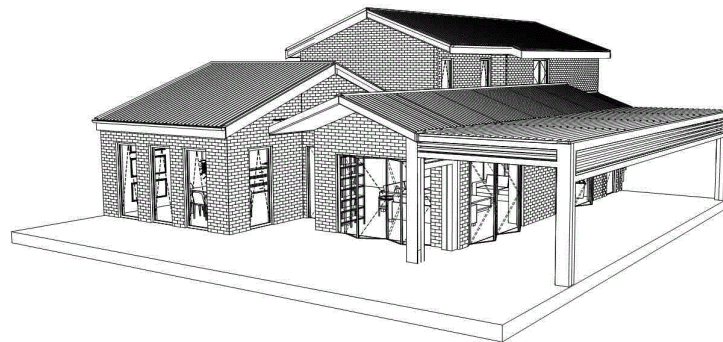
SHEET	EXTERIOR DETAIL	
	SCALE 1:10, 1:5, 1:1	ALL DIMENSIONS IN mm
401		ISSUED: 25/10/24



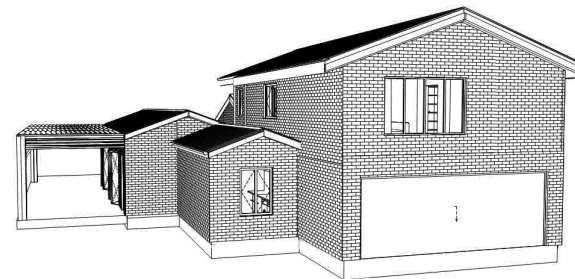
1 NORTH WEST VIEW



4 NORTH



3 NORTH WEST



2 SOUTH WEST VIEW

PERSPECTIVE VIEWS

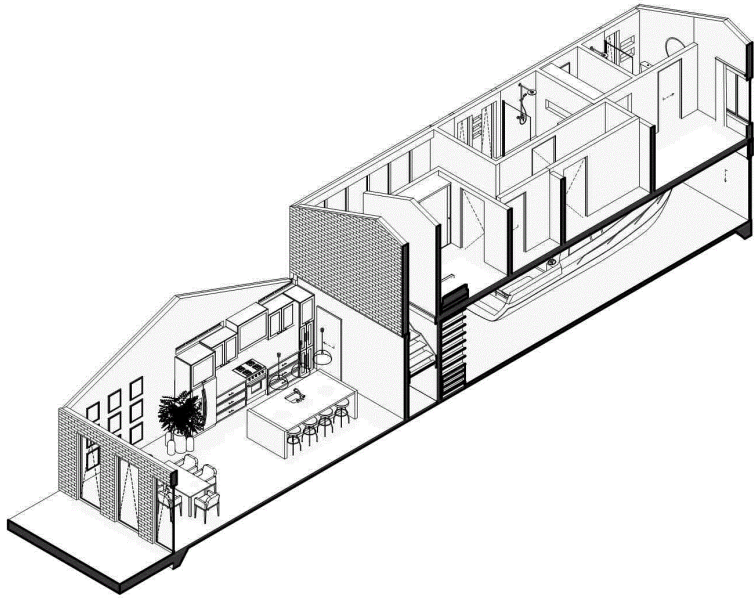
NTS

ALL DIMENSIONS IN mm

ISSUED: 25/10/24

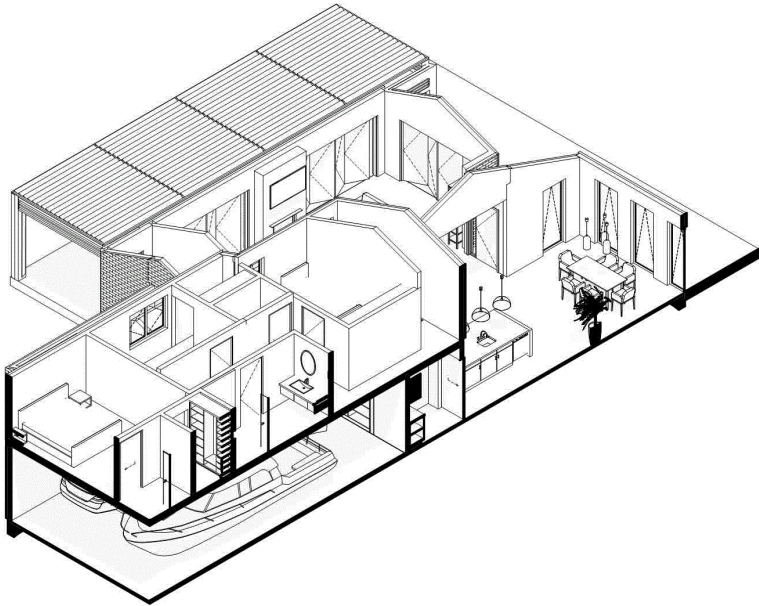
SHEET

501



1

CUTAWAY SECTION A-A



2

CUTAWAY VIEW (1)

Merit

Subject: Design and Visual Communication

Standard: 91631

Total score: 05

Grade score	Marker commentary
M5	<p>This submission shows a set of related complex drawings of a house and has been produced using CAD. This includes (meeting grade given):</p> <ul style="list-style-type: none">• illustrative sectioned pictorial view to help visualise the design but not required to gain this grade• CAD drawings showing precision and accuracy• dimensioned ground and first floor plan views showing room space information and correct use of labelling• dimensioning of vertical heights on elevations and/or cross sections• a set of corresponding elevations matching the north orientation as indicated on the floor and site plans• two cross sectional views matching orientation and placement as indicated on the floor plans, showing excellent detail and constructional information• good use of call-out details to show constructional detail and materials; however, details 1, 2, and 3 are not of the area indicated• correct use of drawing conventions such as recognised scales, dimensioning, and symbols• all page labelling and drawing referencing correctly used.