

TE KOHA

LOT NUMBER

4

BEDROOMS

3

BATHROOMS

2

HOUSE SIZE (m²)

123

SECTION SIZE (m²)

454

LOT LOCATION

ROAD 1 FRONTAGE

IN PARTNERSHIP WITH

KA URUORA

PROUDLY DEVELOPED BY

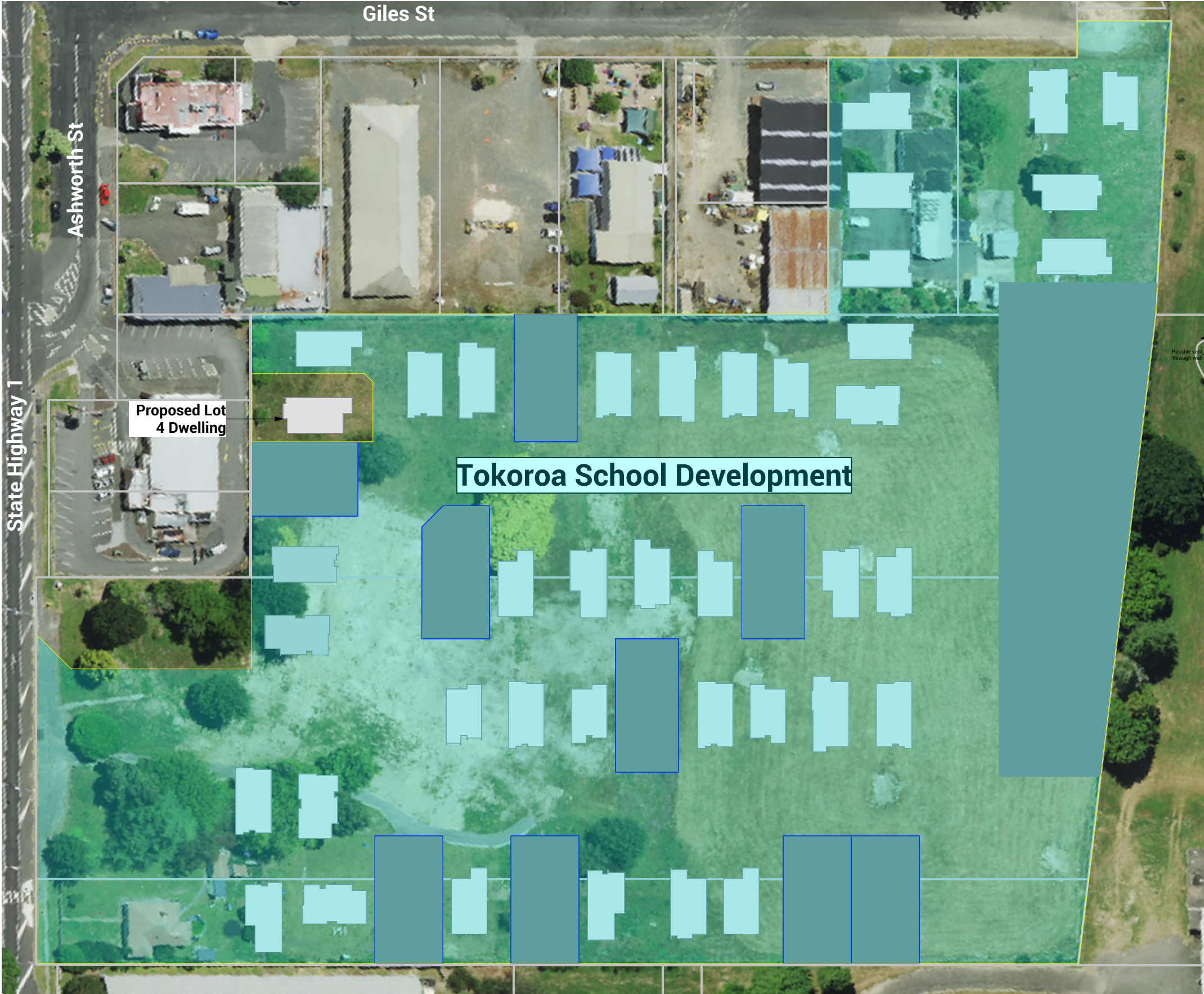
 **Raukawa**

TEKOHA-TOKOROA.NZ

PLANNING & ZONING		CONSTRUCTION		CLADDING		FITOUT	
Lot / DP Number	Part lot 15 DP 3320, Part lot 13&14 DP8320, Lot 7&8 DPS 23458	Foundation Type	Cupolex Ecodome slab designed to NZS3604:2011	Wall Cladding Type 1	JH Linea over cavity	Flooring Types	Carpet
Address	Lot 4 - Tokoroa East Primary School Development	Stud Height	2.465 m	Wall Cladding Type 2	Truwood Vertical Timber	Balustrade Type	N/A
Territorial Authority	SWDC	Typical Joinery Height	2m	Wall Cladding Type 3	N/a	Shower Type	Acrylic shower liner and tray
District Plan Zone	Commercial Zone	Typical Internal Door Height	2m	Roof Cladding		Water Heating	External HWC
Easements	N/a	Rebated Joinery	N/A	Fascia Type	Metal	Space Heating	A/C
Relevant Consent Notices	RC Condition 81 of Section 221	Wall Underlay	Thermakraft WaterGate Plus	CONSULTANTS		SITE/BUILDING INFORMATION	
Resource Consent #	RM230072	Roof Underlay	Thermakraft Covertek 401				
Wind Zone	High	Wall Insulation	90mm R2.4 Pink Batts Classic Wall	Topographical Survey	N/a	Site Coverage	453.65m ² /27.1%
Corrosion Zone	B	Ceiling Insulation	195mm R4 Pink Batts Classic Ceiling	Structural Engineer	N/a	Floor Area	123m ²
Earthquake Zone	2	Floor Insulation	N/a	Geotechnical Engineer	HDGO Engineer	Minimum Floor Level <small>(to u/s floor)</small>	+330 To NZS3604:2011
Liquefaction Zone	N/a	Wet Area Membrane	N/a	Truss Manufacturer	ITM		



Proposed Dwelling - K010A		Client:	Raukawa Iwi Development Ltd.		 Print In Color	Drawing Set:	Working Drawing		All work must comply with relevant NZS & council requirements. All dimensions to be verified on site by contractor prior to commencing work, do not scale from drawings. If there are any inaccuracies with the drawings please contact designer immediately. Copyright for design & drawings retained by Prime Designs New Zealand Limited.		
Lot 4 - Tokoroa East Primary School Development		Job No:	24114			Drawn By:	A Samson				
		Date:	30/06/2025								
admin@primedesigns.co.nz		04 528 8405	3 Jupiter Grove, Trentham, Upper Hutt			PRIME DESIGNS CREATIVE FUNCTIONAL ARCHITECTURE		Drawing Sheet:	Project Specifications	Drawing No:	102

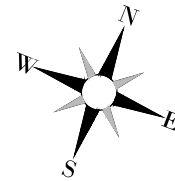
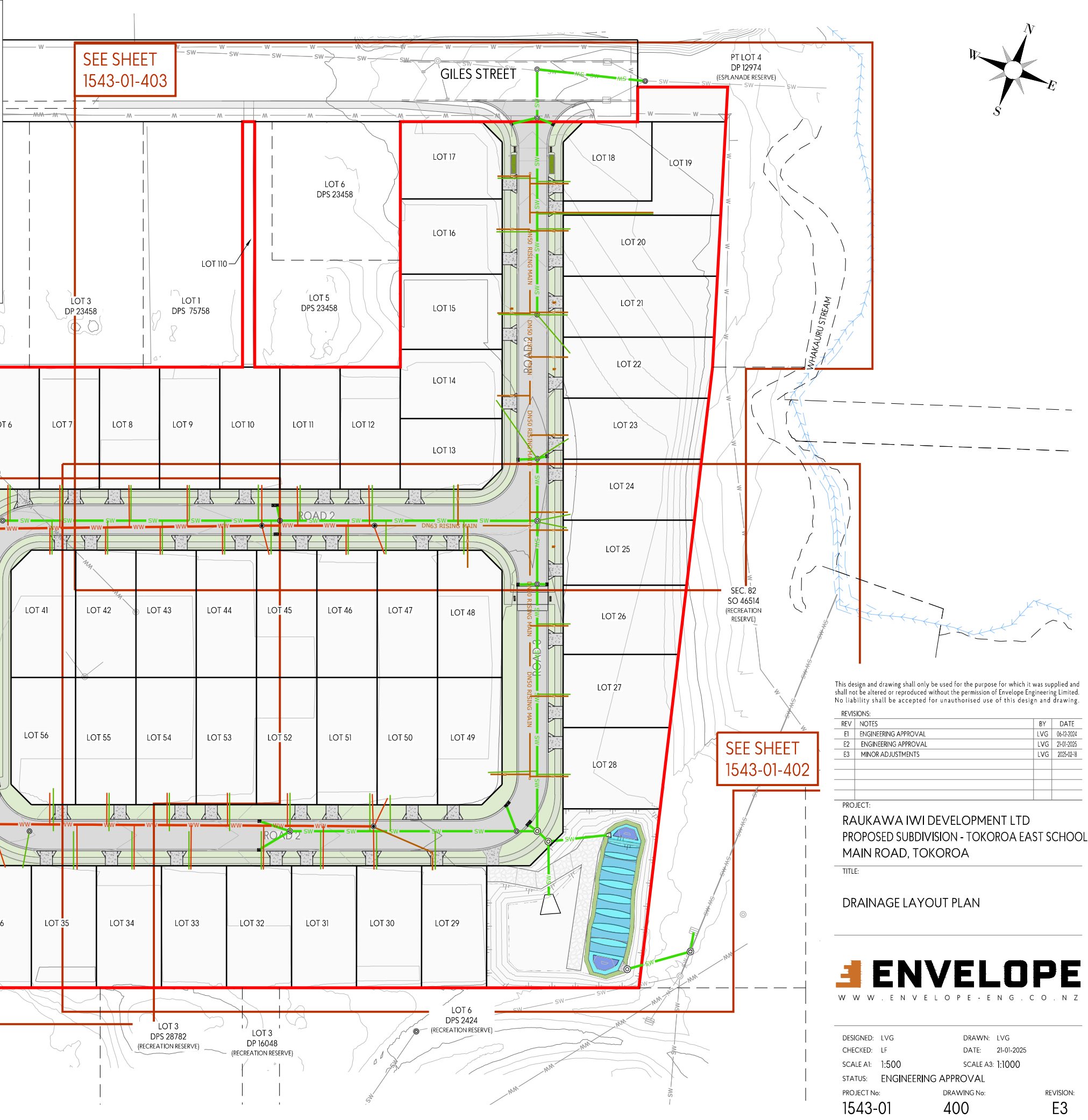


Proposed Dwelling - K010A		Client: Raukawa Iwi Development Ltd.		 Print In Color		Drawing Set: Working Drawing	All work must comply with relevant NZS & council requirements. All dimensions to be verified on site by contractor prior to commencing work, do not scale from drawings. If there are any inaccuracies with the drawings please contact designer immediately. Copyright for design & drawings retained by Prime Designs New Zealand Limited.
Lot 4 - Tokoroa East Primary School Development		Job No: 24114				Drawn By: A Samson	
admin@primedesigns.co.nz		Date: 30/06/2025				Scale: 1:1000	
04 528 8405		3 Jupiter Grove, Trentham, Upper Hutt		Drawing Sheet: Site Location Plan		Drawing No: 103	

- NOTES:
1. ALL PUBLIC WORKS WORKS TO COMPLY WITH THE REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS.
 2. CONTRACTOR TO COMPLY WITH REQUIREMENTS OF HEALTH AND SAFETY ACT 2016.
 3. CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING SERVICES.
 4. CONTRACTOR TO REINSTATE ALL AFFECTED SURFACE AREAS.
 5. ALL PRIVATE WORKS TO BE COMPLETED IN ACCORDANCE WITH RELEVANT BUILDING CODE STANDARDS.
 6. ALL MANHOLES TO BE DN1050 UNLESS OTHERWISE SHOWN.
 7. ALL PUBLIC STORMWATER PIPE SIZES TO BE AS NOTED ON PLAN.
 8. PRIVATE STORMWATER CONNECTIONS TO BE DN100 uPVC SNI6 UNLESS OTHERWISE SHOWN.
 9. ALL PUBLIC WASTEWATER PIPE TO BE DN150 uPVC SNI6.
 10. PRIVATE WASTEWATER LATERALS TO BE DN100 uPVC UNLESS OTHERWISE SHOWN.
 11. ALL PRESSURE SEWER TO BE PE 100 PN 12.5

LEGEND:

	STORMWATER - EXISTING
	STORMWATER - PROPOSED PUBLIC
	STORMWATER - LATERAL
	STORMWATER - SUMP
	STORMWATER - OVERLAND FLOW DIRECTION
	STORMWATER - RAINGARDEN
	WASTEWATER - EXISTING
	WASTEWATER - PROPOSED PUBLIC (GRAVITY)
	WASTEWATER - PROPOSED PUBLIC (LPS)
	WASTEWATER - LATERAL (GRAVITY)
	WASTEWATER - LATERAL (LPS CONNECTION) WITH BOUNDARY KIT
	WASTEWATER - PEET VALVE
	WASTEWATER - FLUSHING POINT



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REVISIONS:			
REV	NOTES	BY	DATE
E1	ENGINEERING APPROVAL	LVG	06-12-2024
E2	ENGINEERING APPROVAL	LVG	21-01-2025
E3	MINOR ADJUSTMENTS	LVG	2025-02-18

PROJECT:
RAUKAWA IWI DEVELOPMENT LTD
PROPOSED SUBDIVISION - TOKOROA EAST SCHOOL
MAIN ROAD, TOKOROA

TITLE:
DRAINAGE LAYOUT PLAN

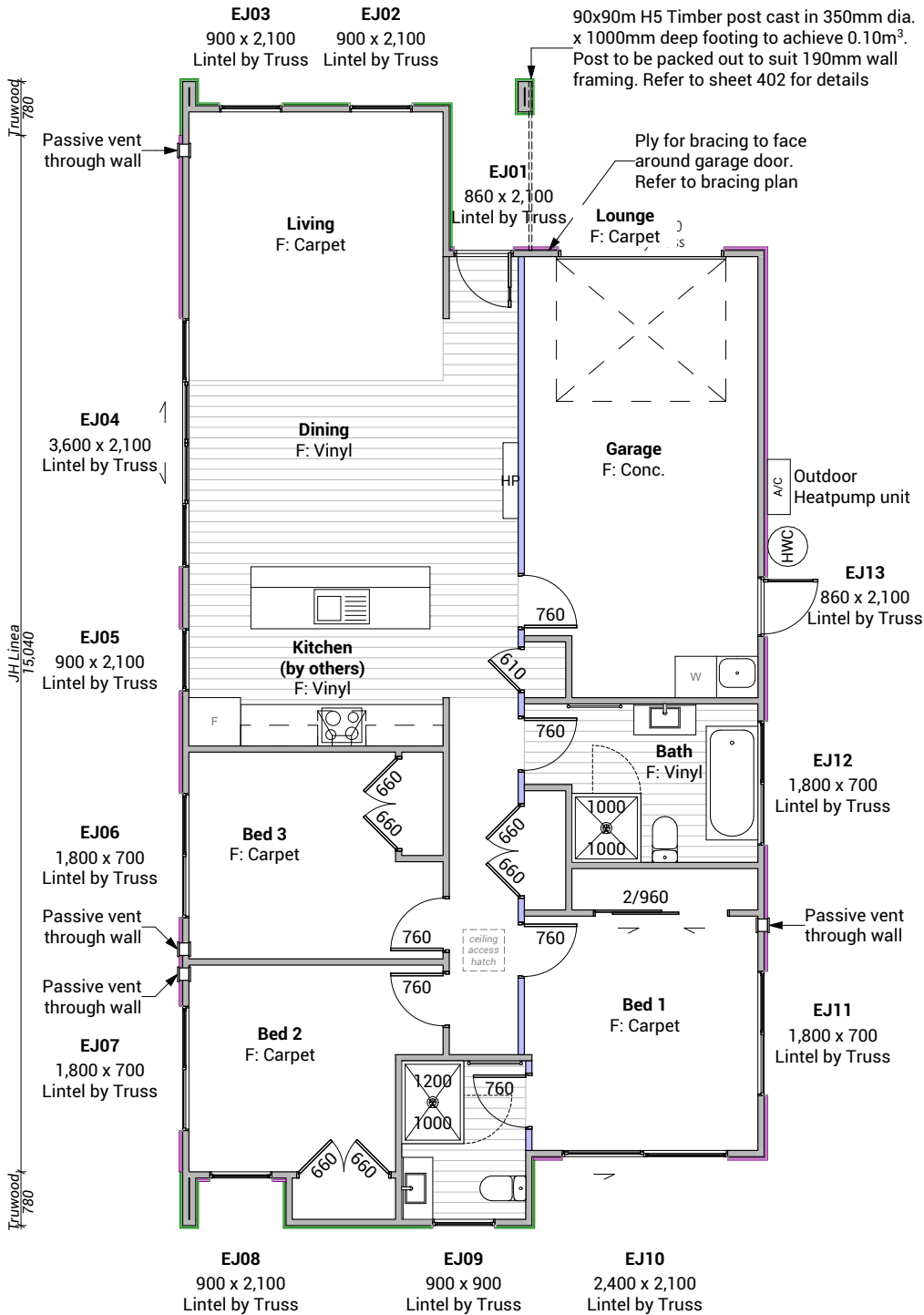


DESIGNED: LVG	DRAWN: LVG	REVISION:
CHECKED: LF	DATE: 21-01-2025	
SCALE A1: 1:500	SCALE A3: 1:1000	
STATUS: ENGINEERING APPROVAL		
PROJECT No: 1543-01	DRAWING No: 400	E3

Natural Light and Ventilation Calculation			
	Floor Area	Light %	Ventilation %
Lounge/Kitchen	33.45m ²	6.94m ² / 20.44%	4.69m ² /13.81%
Bedroom 1	11.46m ²	2.97m ² / 25.92%	3.97m ² / 34.64%
Bedroom 2	9.90m ²	0.77m ² / 7.78%	0.9m ² / 9.09%
Bedroom 3	11.07m ²	0.77m ² / 6.96%	0.9m ² / 8.13%

Legend

- JH Linea
- Vertical Truwood
- Internal LBW



Floor Area	
Total Floor Area	123m ²

Floor Plan Notes

Walls

Wall framing general
2/90x45mm top plates to all walls. Nog for all fittings, fixtures, linings, bracing panels & trims
Wall framing height to be 2465mm finished

DPC between bottom plate and concrete slab. All external and internal loadbearing walls use Bowmac bottom plate screw bolt (M10x140) to comply with clause 7.5.12.3 and all internal non-loadbearing walls use Ramset drive pin LWU75 to comply with clause 7.5.12.4. All fixings are to be within 150mm of each end of the plate and be spaced @ 900mm crs max to comply with NZS 3604:2011 clause 7.5.12.2.

All trimming studs to comply with NZS3604:2011 clause 8.5.2.1 unless specified otherwise by pre-nailer

All window and door sizes shown on the plans refer to 'Box' size only and do not allow for packers. Pre-nailer to increase opening width accordingly

Top Plate to Stud Connection
Refer to truss manufacturers documentation for top plate to stud fixings

Lintels
Refer to truss manufacturers documentation for lintel sizes and fixings including lintels on internal load bearing walls.

Ground Floor wall framing
Load bearing wall framing to be 90x45mm H1.2 SG8 framing, studs @ 600mm crs to NZS3604:2011

Non-Load bearing wall framing to be 90x45mm H1.2 SG8 framing, studs @ 600mm crs to NZS3604:2011
90x45 dwangs spaced at 800mm crs. NZS3604:2011 (Check cladding requirements for dwang spacing).

Fixings

Zone B & C fixings and fastenings
Structural fixings except fabricated brackets in a Sheltered environment to be - Hot-dipped galvanized steel
Structural fixings except fabricated brackets in an Exposed environment to be - Type 304 stainless steel
Structural fixing within 600mm of the ground to be - Type 304 stainless steel
All fixings to be suitable for exposure zone C as outlined in NZS3604:2011 section 4.4 "steel fixings and fastenings"

Fixings and fastenings all Zones
Nail plates, wire dogs & bolts in roof spaces and closed environments to be Continuously coated galvanized steel or Hot-dipped galvanized steel

Underlays

Thermakraft Wall underlay
Thermakraft Watergate Plus wall underlay installed to wall framing using 6-8mm staples or 20mm large head galvanized clouts at 300mm crs horizontally and vertically. 150mm min overlap at joins, all vertical laps must be made over studs. Installed to manufacturers specification. Additionally, install 25mm wide Thermastrap horizontally at 300mm crs

Thermakraft Aluband
Thermakraft Aluband flashing tape to be installed at openings as per manufacturer's installation requirements, unless noted on joinery details otherwise.

Insulation

Wall insulation
90mm thick R2.4 Pink Batts Classic wall insulation to all external walls and internal walls between garage and habitable space. No insulation to garage external walls.

Ceiling insulation
195mm thick R4 Pink batts Ultra ceiling insulation, ensure a 25mm gap min. between insulation and roof underlay.

Wall Claddings

James Hardie Linea weatherboards over 20mm cavity
180mm James Hardie Linea weatherboards (Cladding weight: 23.92kg/m2) over 45x18mm H3.1 timber cavity battens on wall underlay. Refer to manufacturer's information & details for fixing and waterproofing requirements. Dwangs @ 800ctrs.

Vertical Truwood Weatherboards over 20mm cavity
Client selected vertical Cedarscreen Truwood weatherboards fixed over cavity battens over wall underlay (Cladding weight 8.75kg/m2), Refer to details and manufacturer's information for fixing and waterproofing requirements. Dwangs @ 480ctrs.

Acoustic Requirement
Minimum acoustic insulation as per NDY Noise Intrusion Assessment to meet the requirements of Resource Consent Condition 16.
Non-glazed walls to be 90mm studs with 90mm insulation and 10mm plasterboard, minimum cladding density 7.5kg/m2.
Glazed areas to be 4mm glass/8mm air gap/4mm glass minimum.

Linings

10mm GIB plasterboard wall lining
Generally, line with 10mm GIB Standard plasterboard (Aqualine to wet areas, installed as per GIB Wet Area Systems specifications and installation manual 2021) stopped for level 4 paint finish (unless otherwise indicated). Refer also specific fitout dwgs & bracing schedule for specific wall linings & requirements.

13mm GIB board ceiling lining (Rondo batten)
Generally, line with 13mm Gib board ceiling with Rondo 310 ceiling battens and 311 clips at 600 crs fixed to trusses and/or joists. Gib Aqualine to wet areas. Stopped for level 4 finish.

Wall linings adjacent to appliances
CL1.6 G3, Wall linings adjacent to appliances and facilities shall have surfaces that can be easily maintained in a hygienic condition and comply with. Stainless steel, decorative high-pressure laminate, tiles, wallboards with painted or applied impervious coatings or films, are all suitable materials for these surfaces.

Floor Coverings

Slip resistance
Minimum slip resistance co-efficient for level surface between 0.25 and 0.50 acceptable in accordance with NZBC:D1/AS1 Access.

Vinyl Plank Flooring - Advio
Vinyl plank to be installed over vinyl adhesive in areas noted on floor plan. Where installed in a wet area (including laundry and kitchen), install as per attached manufacturer's documentation and E3/AS1 alternative solution documentation.

Interior Fit-out

Internal doors
All internal door leaf widths as noted on floor plan, all heights 1980mm unless otherwise noted

Architraves
Architraves to be installed to all internal doors and windows

Passive Ventilation
Passive ventilation to be provided to habitable spaces (living area and bedrooms) in the form of Manrose Puro through wall passive vent kit (non filtered). 3000mm2 effective aerodynamic area per vent. Install in locations shown on floor plan.

Proposed Dwelling - K010A Client: Raukawa Iwi Development Ltd.

Lot 4 - Tokoroa East Primary School Development Job No: 24114 Date: 30/06/2025

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Print In Color



Drawing Set: Working Drawing

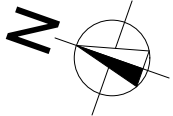
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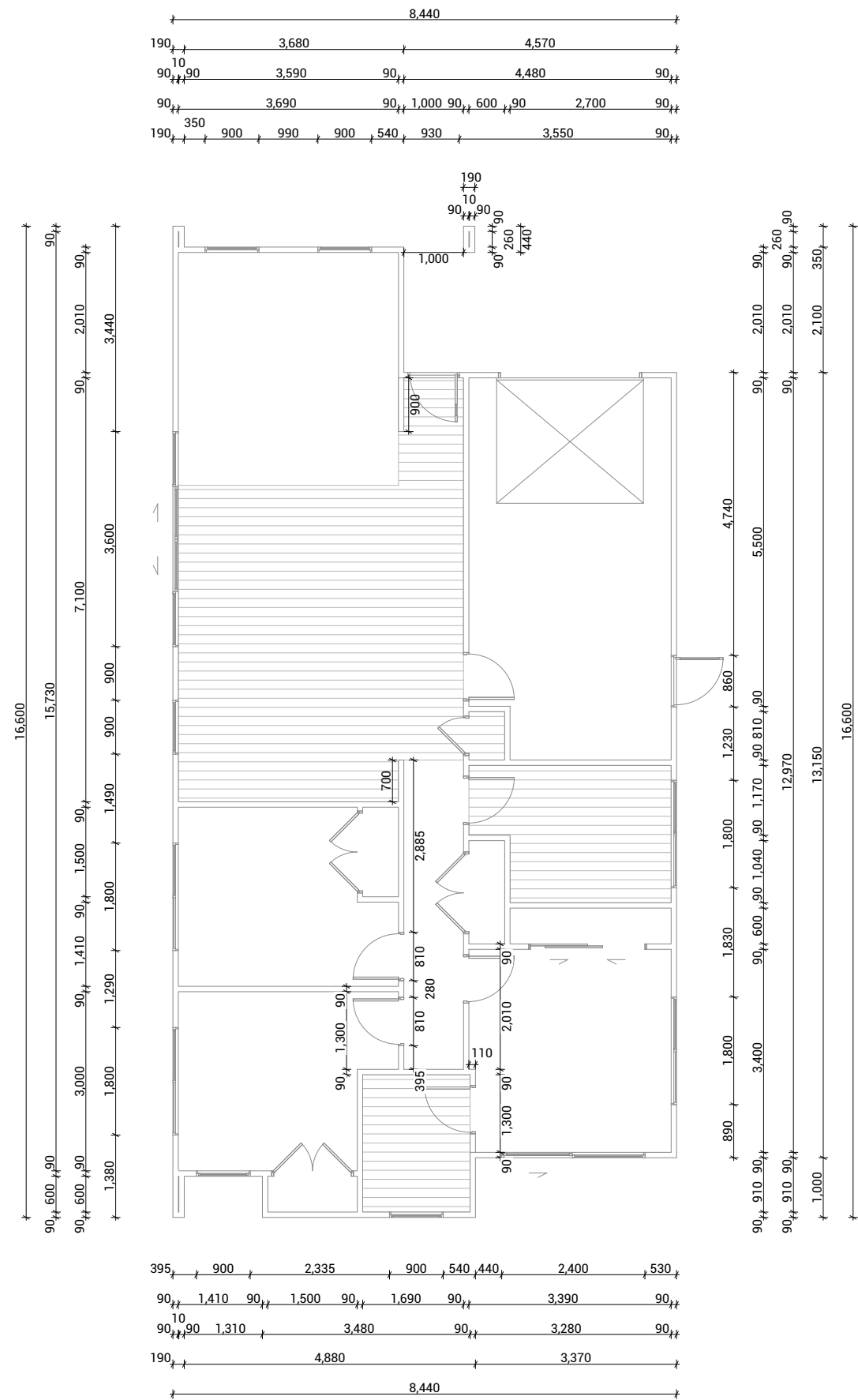
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Drawing Sheet: Floor Plan

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Drawing No: 107





Proposed Dwelling - K010A

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Lot 4 - Tokoroa East Primary School Development

Job No: 24114

Date: 30/06/2025

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Drawing Set: Working Drawing

Drawn By: A Samson

Scale: 1:100

Drawing Sheet: Dimension Plan

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Drawing No: 108

Roof Plan Notes

General Notes

Roof framing general
Trusses designed by truss manufacturer, refer to manufacturer's documentation.

All enclosed framing to be H1.2 SG8 unless otherwise noted. Framing to comply with NZS3604:2011

Client selected metal fascia.

Roof bracing to comply with NZS3604:2011 section 10.4

Zone B & C fixings and fastenings
Structural fixings except fabricated brackets in a Sheltered environment to be - Hot-dipped galvanized steel
Structural fixings except fabricated brackets in an Exposed environment to be - Type 304 stainless steel
All fixings be suitable for exposure zone C as outlined in NZS3604:2011 section 4.4 "steel fixings and fastenings"

Fixings and fastenings all Zones
Nail plates, wire dogs & bolts in roof spaces and closed environments to be continuously coated galvanized steel or Hot-dipped galvanized steel

Continuous spouting rainwater system
Continuous spouting rainwater system, spouting to have 9,000mm² cross sectional area, DN80 downpipes unless otherwise noted.

Roof Bracing

Steel strip roof bracing
Diagonally opposing pair of continuous steel strips at a 45° each having a capacity of 4.0kN in tension, fixed to each top chord or rafter that is intersected and to the top plate

Bottom Cord Restraints for GIB Rondo clip system
When GIB Rondo clip system is installed additional 90x35 SG8 battens @ 1800ctr max as bottom cord restraints required.

Underlay

Roof underlay
Thermakraft 401 synthetic self-supporting roof underlay run vertically over purlins & horizontally on roof pitches less than 10 degrees. Fix using stainless steel 8-12mm staples or 20mm flat head clouts at 300mm crs. 150mm min cover over vertical and horizontal joints. Refer to manufacturer's information.

Roof Cladding

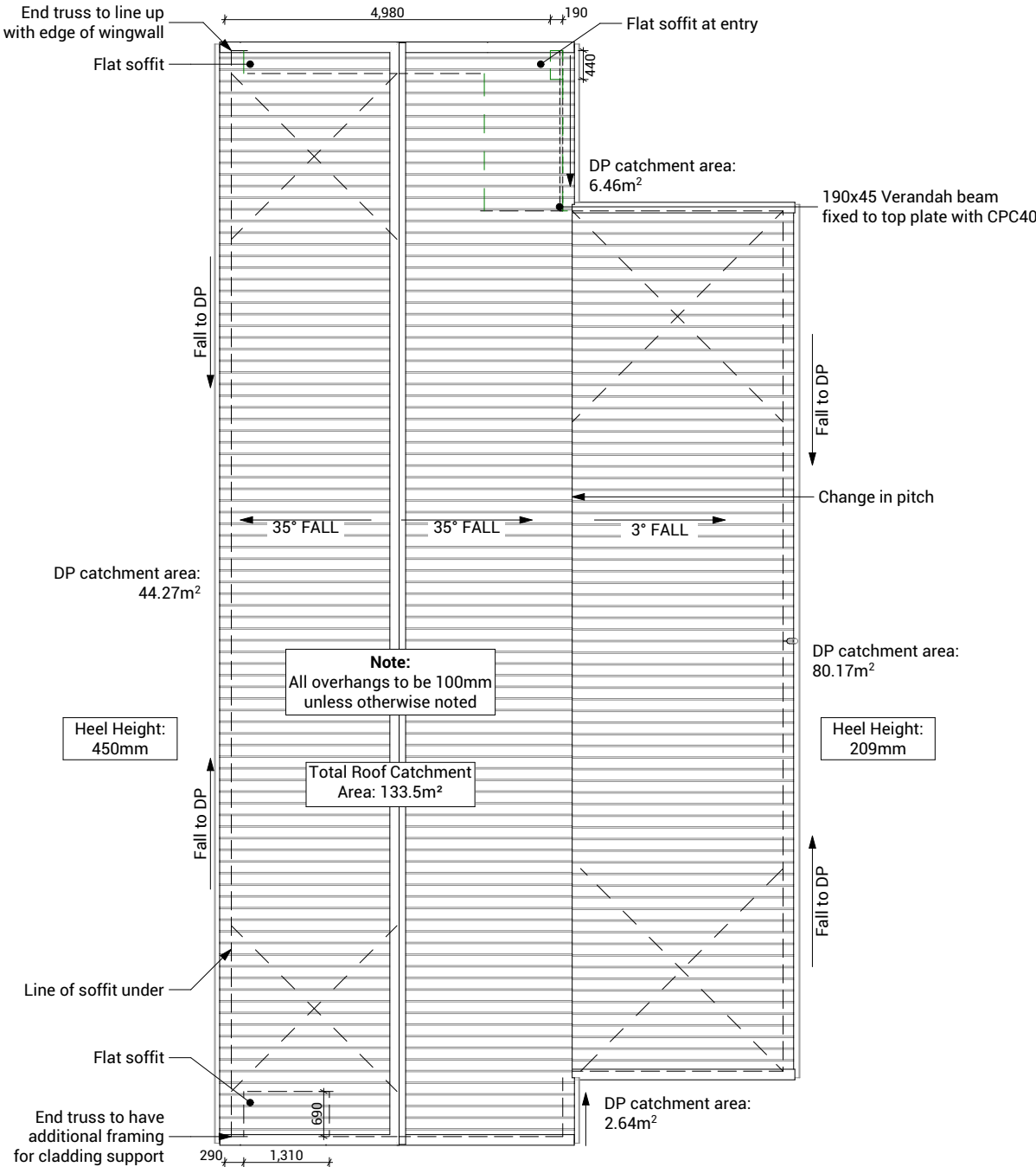
Trapezoidal roof cladding on purlins
0.55mm BMT trapezoidal profile Colorsteel Maxam roof cladding on purlins over roof underlay. Roofing profile to to have a minimum crest height of 19mm and a maximum of 210mm between crests.

Purlins

Gable Verge Overhang (450mm)
90x45mm H1.2 SG8 purlins fixed as per regular purlins to minimum 3 truss top cords or rafters to create 450mm max overhang.

Soffit Lining

4.5mm HardieFlex soffit lining
4.5mm James Hardie HardieFlex soffit lining fixed to 90x45mm H1.2 soffit framing using 40 x 2.8mm HardieFlex nails at 200mm crs. Soffits jointed with proprietary uPVC jointers.



Proposed Dwelling - K010A			Client: Raukawa Iwi Development Ltd.	 Print In Color	 CREATIVE FUNCTIONAL ARCHITECTURE	Drawing Set: Working Drawing	All work must comply with relevant NZS & council requirements. All dimensions to be verified on site by contractor prior to commencing work, do not scale from drawings. If there are any inaccuracies with the drawings please contact designer immediately. Copyright for design & drawings retained by Prime Designs New Zealand Limited.	
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Electrical Notes

General electrical notes
Ensure all habitable rooms are fitted with a minimum of one light fixture. All habitable internal spaces are to have a minimum illuminance of 20 lux or a minimal total wattage required per m2 of floor area as shown in G8/AS1, Table 1. Lights in the stairwell to provide 100lux at tread level or a total wattage per m2 of floor plan area as shown in D1/AS1 table8,













All electrical works to be installed to comply with NZBC G9/AS1, AS/NZS 3000:2018, AS/NZS 3008.1.2:2017, AS/NZS 5000.2:2006

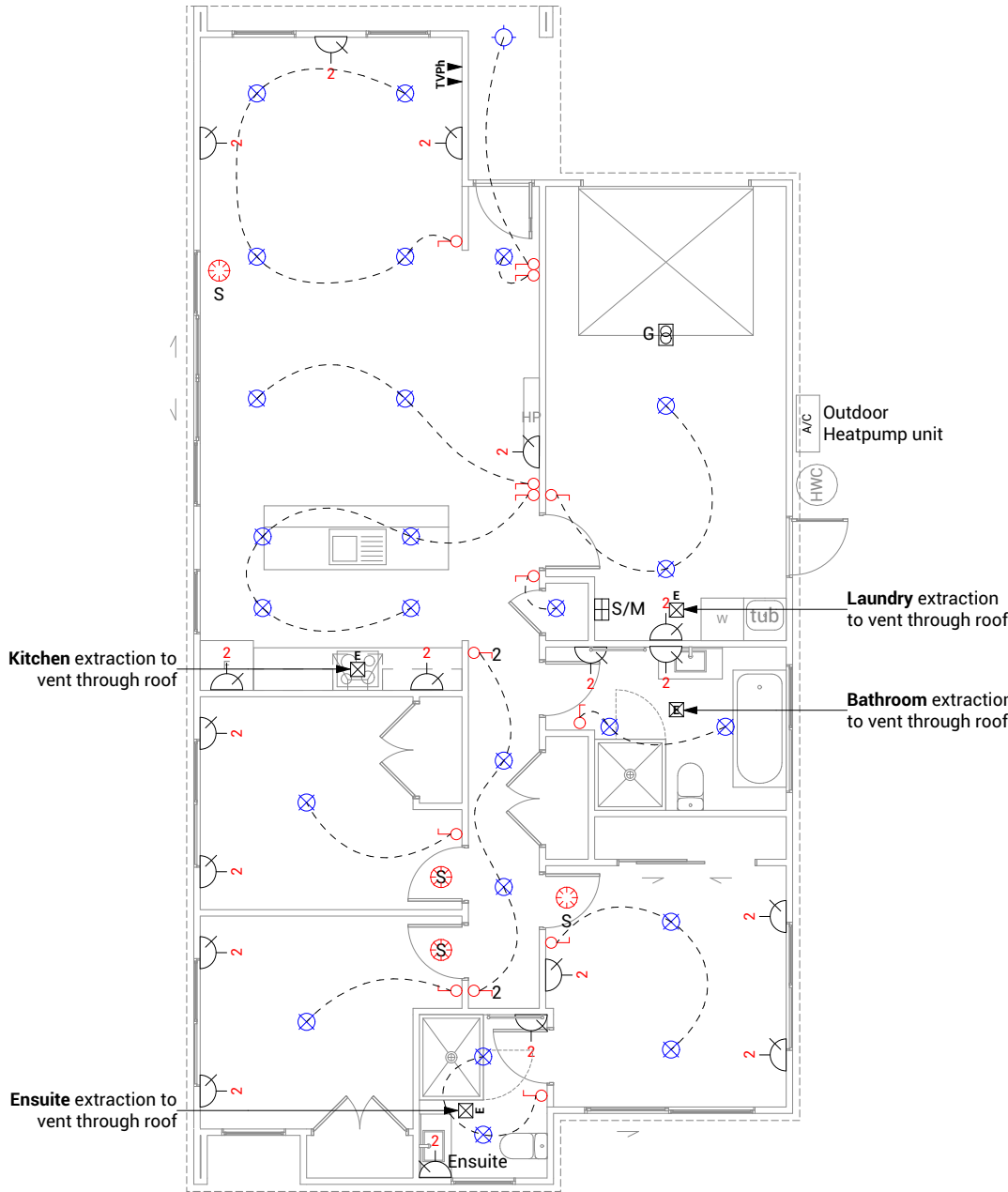
Recessed downlights
Downlights to be CA135, CA180, IC, or IC-F to comply with AS/NZS 60598.2.2 Amendment A

Smoke detectors
Smoke detectors to be installed to comply with NZBC F7/AS1, C/AS1, NZS 4514:2021 and be located on or near the ceiling, in all bedrooms, living spaces, hallways and landings within the building. Where the kitchen is separated from the living space and hallways by doors that can be closed a heat alarm shall be located in the kitchen. There shall be at least one smoke level on each level. Where more than one smoke alarm is needed to meet the requirements, these alarms shall be interconnected as per NZS 4514:2021 clause 2.5. Smoke detectors to meet at least one of the following standards: UL 217, CAN/ULC S531, BS EN 14604, ISO 12239 or AS 3786

Mechanical ventilation
Extractor fans to be Manrose XF150 or similar, vent through roof as per manufacturer's installation instructions. Rangehood to be ducted and vented up and through roof. Dryer to be vented seperately as per NZBC G4.

Electrical Legend

-  S/M
- Smart Meter
-  G
- Garage door motor
-  S
- Smoke detector
-  E
- Extractor fan
-  ~
- Power point
-  Ph
- Phone outlet
-  TV
- Television outlet
-  O
- Light switch
-  2-O
- Two way light switch
-  X
- Recessed downlight
-  O
- Ext. Security light (Sensored)
-  —
- Heated towel rail



Proposed Dwelling - K010A

Client: Raukawa Iwi Development Ltd.

Lot 4 - Tokoroa East Primary School Development

Job No: 24114

Date: 30/06/2025

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Print In Color



Drawing Set: Working Drawing

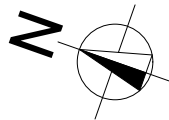
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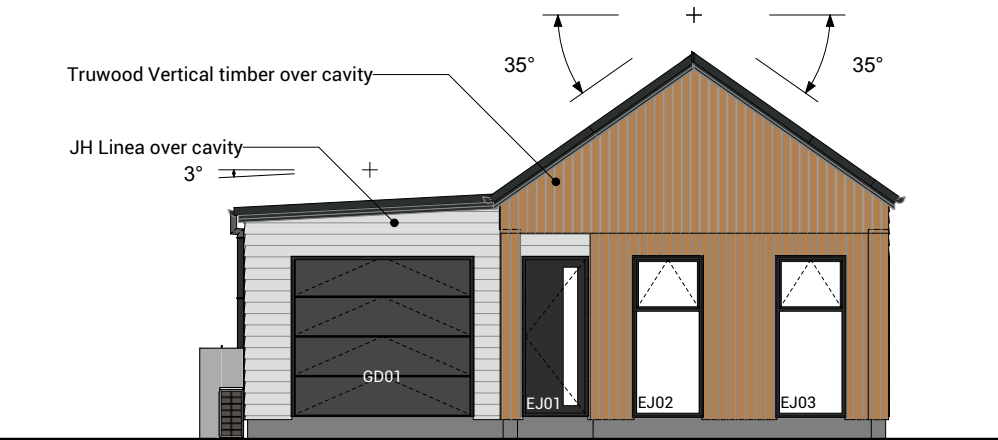
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Drawing Sheet: Electrical Plan

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Drawing No: 113

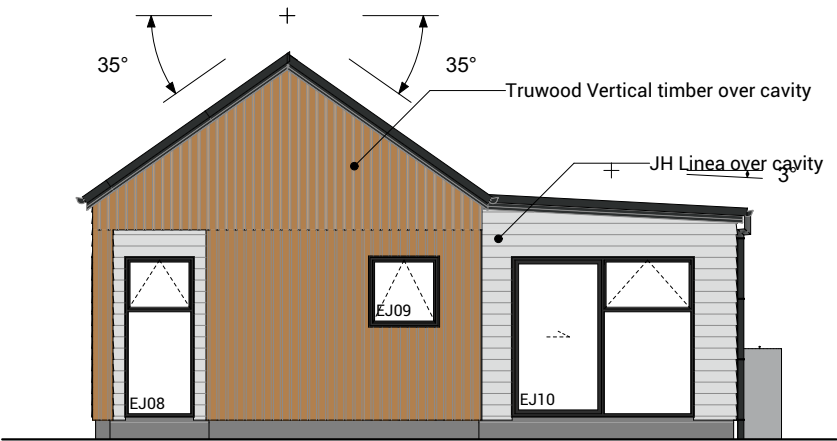




1 West Elevation 1:100



2 South Elevation 1:100



3 East Elevation 1:100



4 North Elevation 1:100

BUILDING ENVELOPE RISK MATRIX		
All Elevations		
Risk Factor	Risk Severity	Risk Score
Wind zone (per NZS 3604)	High risk	1
Number of storeys	Low risk	0
Roof/wall intersection design	Medium risk	1
Eaves width	Very high risk	5
Envelope complexity	Medium risk	1
Deck design	Low risk	0
Total Risk Score:		8

Proposed Dwelling - K010A Client: Raukawa Iwi Development Ltd.

Lot 4 - Tokoroa East Primary School Development Job No: 24114 Date: 30/06/2025

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Drawing Set: Working Drawing

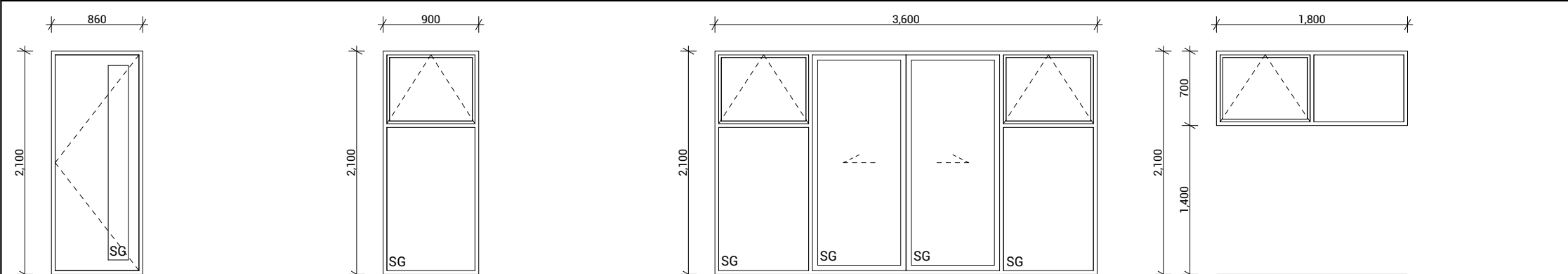
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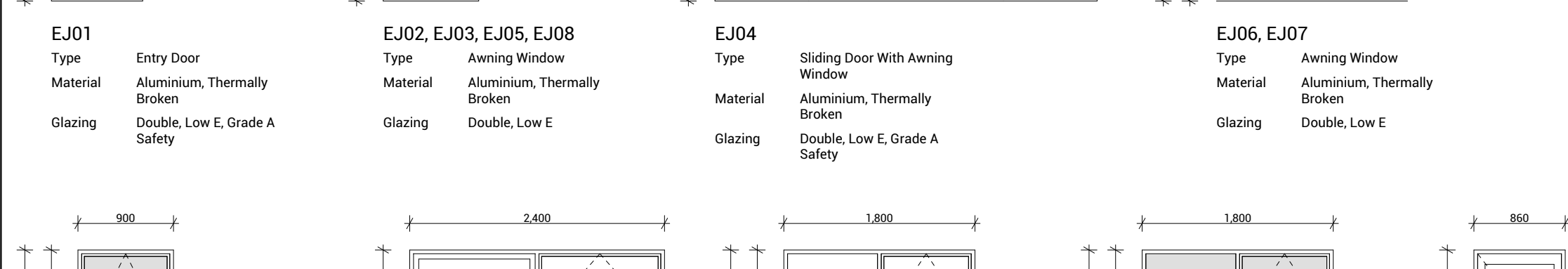
Drawing Sheet: Elevations

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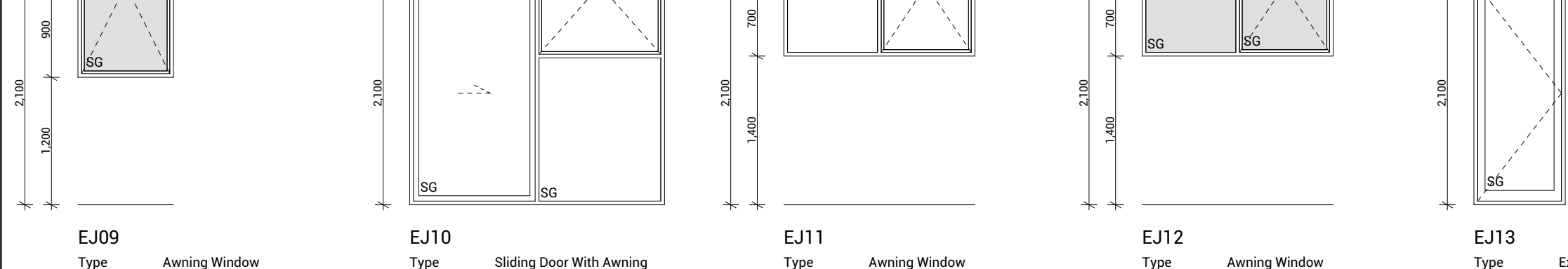
Drawing No: 301




EJ01
Type: Entry Door
Material: Aluminium, Thermally Broken
Glazing: Double, Low E, Grade A Safety




EJ02, EJ03, EJ05, EJ08
Type: Awning Window
Material: Aluminium, Thermally Broken
Glazing: Double, Low E



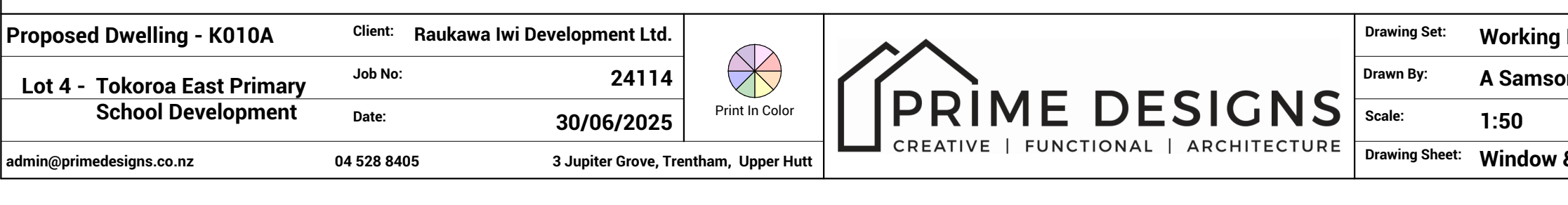
EJ04
Type: Sliding Door With Awning Window
Material: Aluminium, Thermally Broken
Glazing: Double, Low E, Grade A Safety



EJ06, EJ07
Type: Awning Window
Material: Aluminium, Thermally Broken
Glazing: Double, Low E



EJ09
Type: Awning Window
Material: Aluminium, Thermally Broken
Glazing: Double, Low E, Obscured, Grade A Safety



EJ10
Type: Sliding Door With Awning Window
Material: Aluminium, Thermally Broken
Glazing: Double, Low E, Grade A Safety

EJ11
Type: Awning Window
Material: Aluminium, Thermally Broken
Glazing: Double, Low E

EJ12
Type: Awning Window
Material: Aluminium, Thermally Broken
Glazing: Double, Low E, Obscured, Grade A Safety

EJ13
Type: External Hinged Door
Material: Aluminium, Thermally Broken
Glazing: Double, Low E, Grade A Safety

Joinery Notes

General joinery notes
All dimensions to be checked on site prior to fabrication

Windows & doors viewed from exterior

Window & door supplier is responsible for ensuring that all components fit the structure and opening size

All windows & doors to be installed in accordance with construction details in drawing set

Aluminium joinery
Selected colour powder-coated thermally broken aluminium joinery. All head, jamb and sill liners to be 20mm H3.1 timber, painted

Glazing
Glazing weight to comply with NZS4223.
Glass to be Low E with a U value of 1.3.
Double Pane with argon gas.

Flashings and flexible flashing tape
All flashings and flashing tape to be installed to comply with NZBC E2/AS1 and manufacturer's specification. Do not fix through flashings unless otherwise specifically shown in details

Window and door opening widths
All window and door sizes shown on the plan refer to 'Box' size only and do not allow for packers. pre-nailer to increase opening width accordingly

Reveal Depths
Joinery manufacturer to check reveal depths to suit cladding system, wall underlay, wall framing & interior lining thickness.

Window Restrictors
Place restrictor stays to all openable windows with sills within 760mm of floor level where a fall greater than 1m is possible from FFL to ground.

Glazing requirements as per NDY Noise Intrusion Assessment:
4mm float glass / 8mm air gap / 4mm float glass

