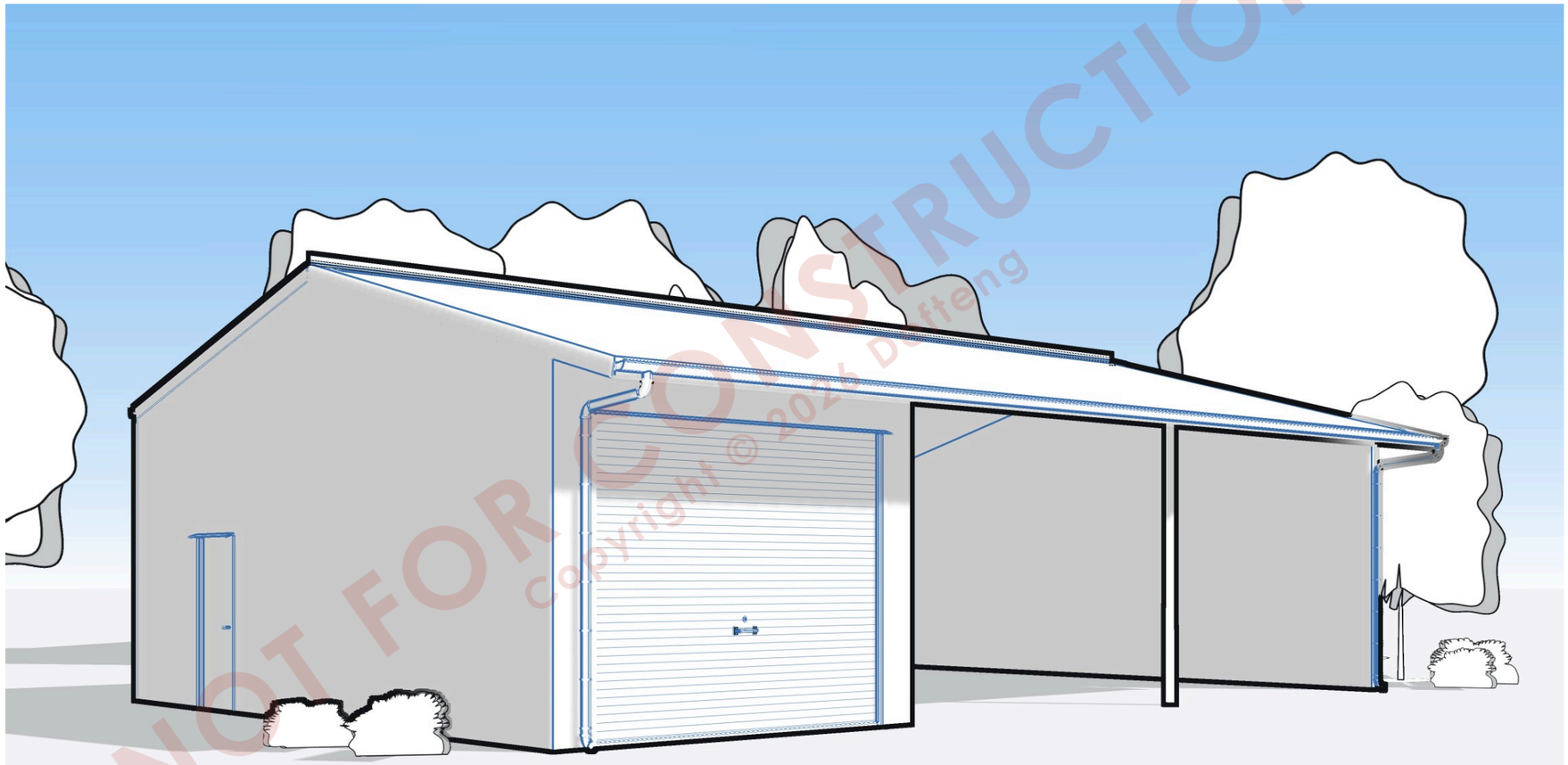
NGATEA — KITSET IMPLEMENT SHED & LOCKUP

PROPOSED KITSET SHED SITE ADDRESS HERE

FARM IMPLEMENT SHED

DRAWING INDEX

NUMBER	DRAWING NAME
G000	COVER
A101	FLOOR PLAN
A102	ROOF LAYOUT
A103	ELEVATIONS — FRONT & REAR
A104	ELEVATIONS — LEFT & RIGHT
A105	ROOF DRAINAGE & PLUMBING SCHEDULE



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Project Name:
NGATEA — KITSET IMPLEMENT SHED & LOCKUP

Site Address:
PROPOSED KITSET SHED SITE ADDRESS HERE

Building Type:
FARM IMPLEMENT SHED

REV.	AMENDMENTS	DATE
1	Preliminary Drawings	06/11/2026

Drawn:
Abdullah Nazir

Project ID:
DEFLO-648-9764367

Revision:
1

Project Status:
Preliminary Drawings

Date:
06/11/2026

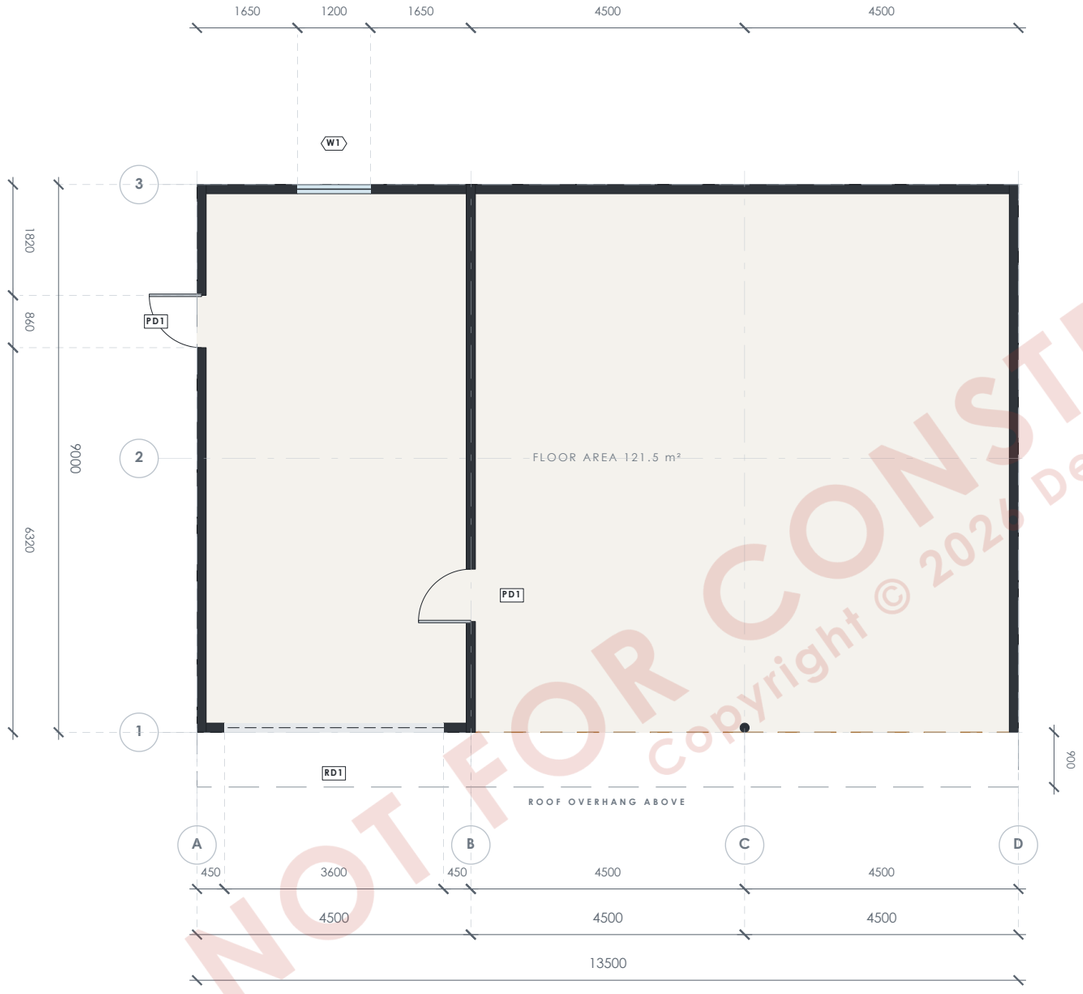
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NTS

Drawing Title:
COVER

G000

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DOOR SCHEDULE

Mark	Type	Width	Height	Qty	Location
RD1	ROLLER DOOR	3600	3000	1	FRONT
PD1	PA DOOR · LH OUT	860	2000	2	LEFT END, LOCKUP PARTITION

WINDOW SCHEDULE

Mark	Width	Height	Sill	Qty	Location
W1	1200	900	1200	1	REAR

SKYLIGHT SCHEDULE

Mark	Width	Length	Qty	Location
NONE				

All sizes in mm, clear opening. Skylight length measured up the slope, eave to ridge. Door handing as seen from outside: LH hinged on the left, RH on the right.

CLADDING SCHEDULE

Mark	Location	Profile	Cover	BMT	Finish	Fixing
RC-1	ROOF	5-RIB	760	0.40	KARAKA	PIERCE FIXED
WC-1	WALLS	CORRUGATE	762	0.40	LICHEN	PIERCE FIXED

Cover width and BMT in mm. Roof pitch 15° · 5-Rib published minimum 3°. Confirm against the manufacturer's literature.

BUILD-UP SCHEDULE

Mark	Location	Layers, outside to in
RC-1	ROOF	1. 5-Rib roofing — see cladding schedule 2. Self-supporting roofing underlay, laid over safety mesh 3. Galvanised safety mesh at 300 mm crs, tensioned over purlins 4. Purlins
WC-1	WALLS	1. Corrugate cladding — see cladding schedule 2. Girts

Roofing underlay to NZBC E2/AS1, run eave to ridge and lapped 150 mm min; turned into the spouting at the eave.

SCALE 1:100 @ A3

0 1 2 m

1 FLOOR PLAN

13500 × 9000 · 3 bays · 4 openings

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1:100

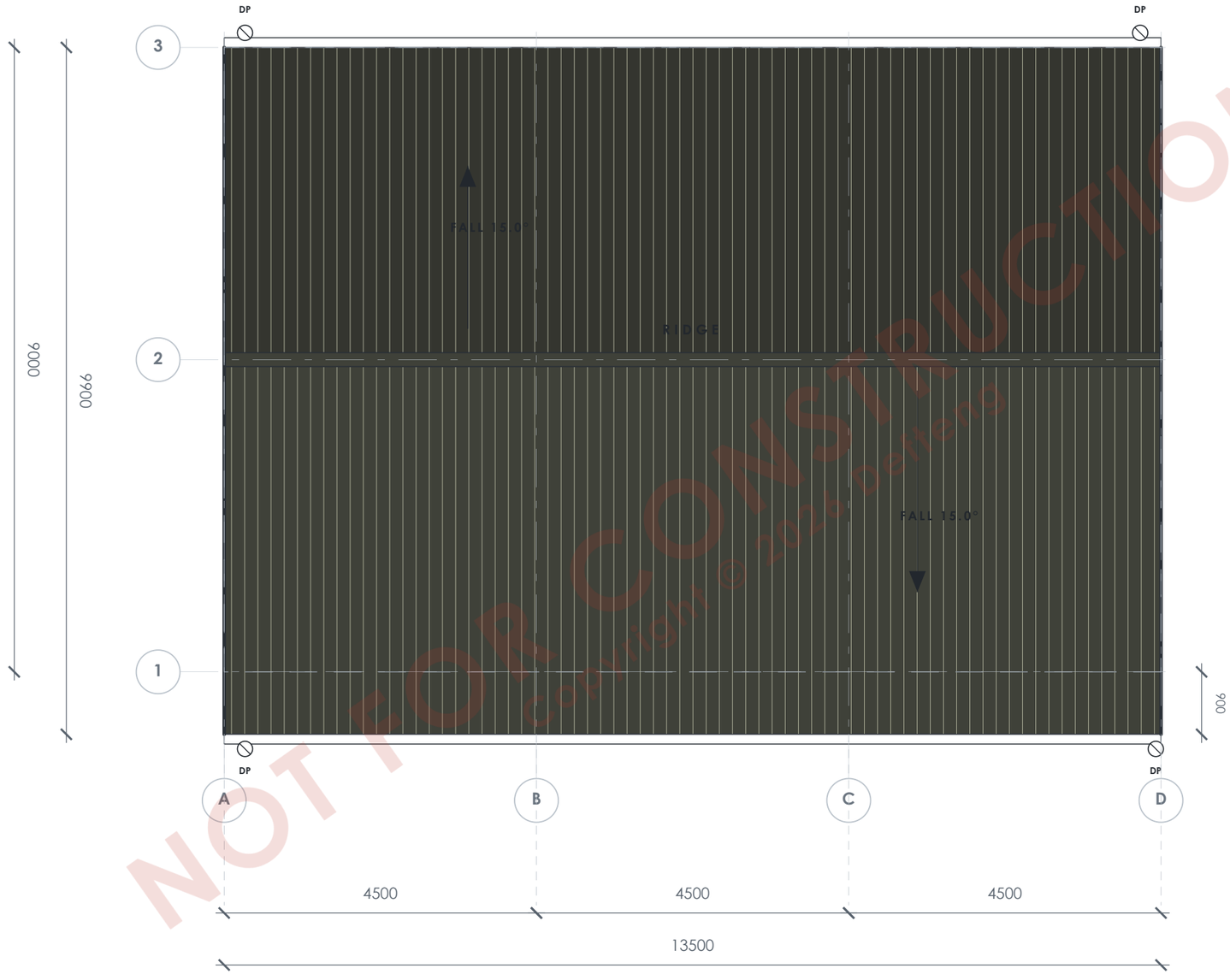
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FLOOR PLAN

A101

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1 ROOF LAYOUT

Gable · pitch 15.0° · rafter run 4659 · 5-Rib roofing

SCALE 1:75 @ A3

0 1 2 m

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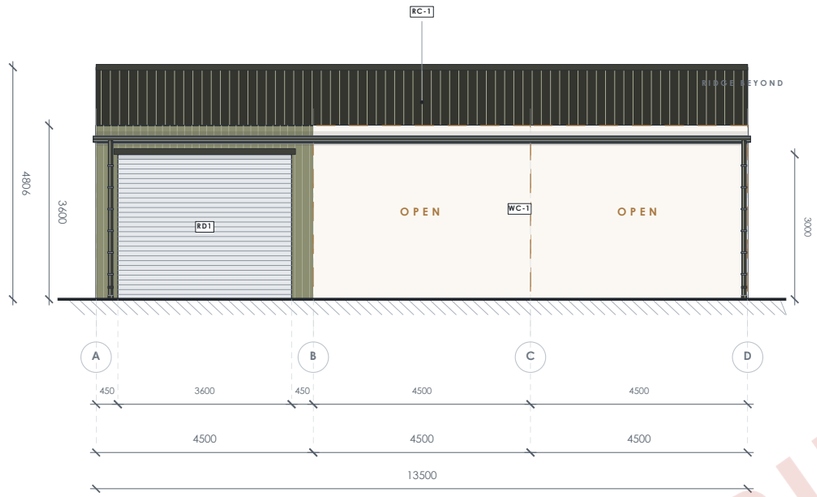
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Drawing Title:
ROOF LAYOUT

A102

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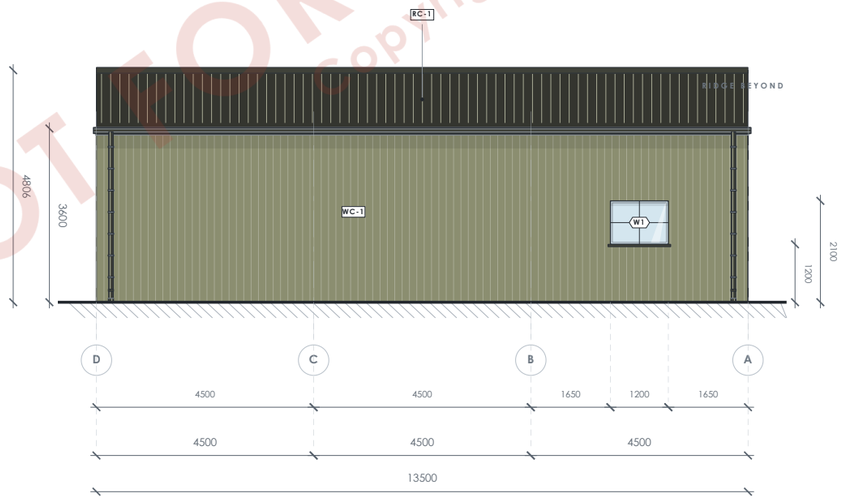


1 FRONT ELEVATION

Eave 3600 · ridge 4806 · Corrugate walls

SCALE 1:125 @ A3

0 1 2 m



2 REAR ELEVATION

Eave 3600 · ridge 4806 · Corrugate walls

SCALE 1:125 @ A3

0 1 2 m

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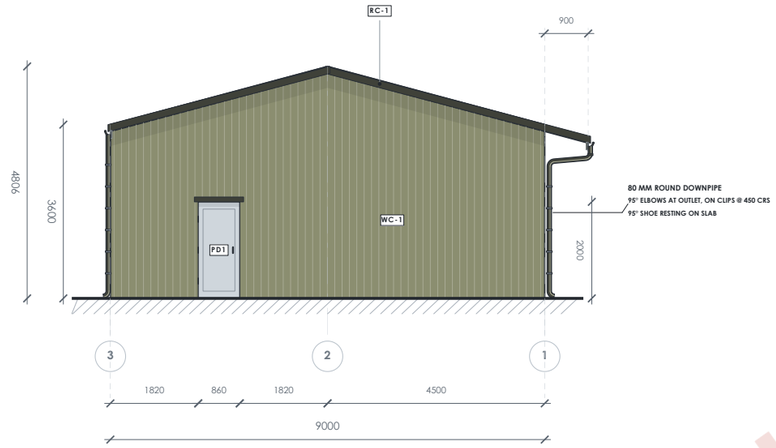
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Drawing Title:
ELEVATIONS — FRONT & REAR

A103

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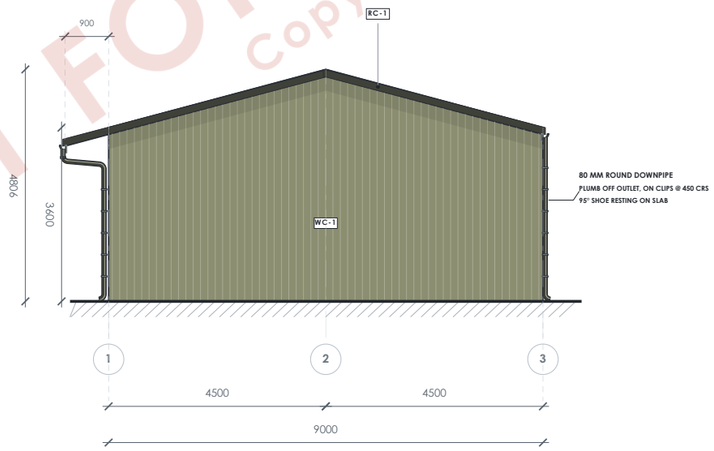


1 LEFT ELEVATION

Span 9000 · eave 3600 · ridge 4806 · Corrugate walls

SCALE 1:125 @ A3

0 1 2 m



2 RIGHT ELEVATION

Span 9000 · eave 3600 · ridge 4806 · Corrugate walls

SCALE 1:125 @ A3

0 1 2 m

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Scale @A3:
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Drawing Title:
ELEVATIONS — LEFT & RIGHT

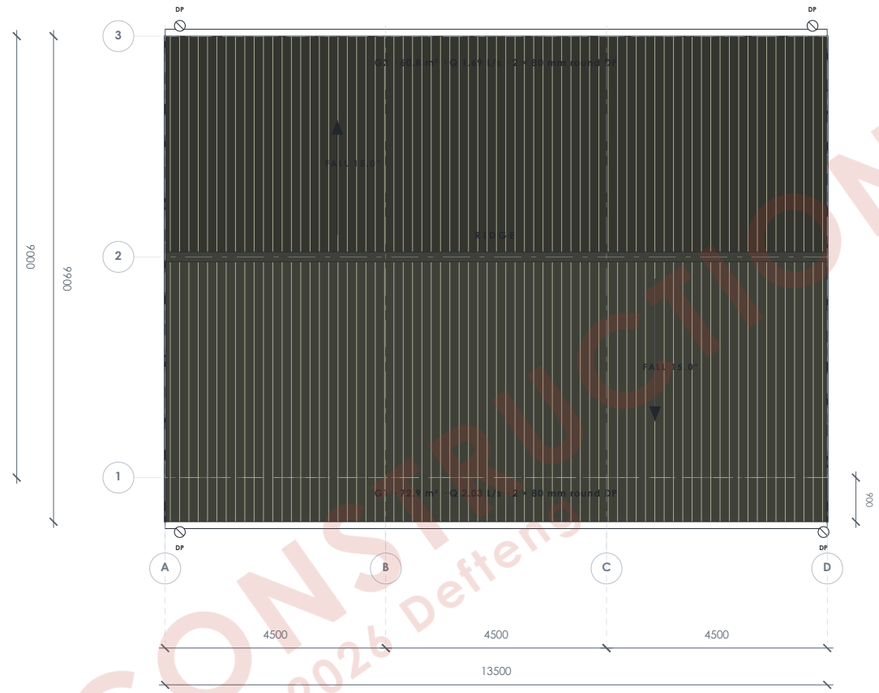
A104

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MEP NOTES — ROOF DRAINAGE

1. Spouting and downpipes on this sheet have been **sized by calculation**, not by rule of thumb: every gutter run is worked through the table below.
2. Flow per run **Q = A × i ÷ 3600** (L/s), where A is the plan (horizontal) catchment the run drains — each side of a gable separately — and i the design rainfall intensity.
3. Design rainfall intensity **i = 100 mm/hr** (NZBC E1/AS1). Where the site's 10-minute intensity exceeds 100 mm/hr, re-check with E1/VM1 and HIRDS data.
4. 2 gutter runs, 133.7 m² of roof, drained by **4 × 80 mm round** downpipes at 2.4 L/s each, with 2.8 L/s per outlet from 125 mm quarter-round spouting and no more than 12 m of spouting to any outlet.
5. Spouting laid to a fall of 1:500 minimum; brackets at 900 mm centres max; downpipe clips at 1.2 m centres max, two per downpipe minimum.
6. Overflow relief is provided on every run for a blocked outlet (NZBC E1).
7. Downpipes discharge to the stormwater system or an approved outfall, by others — confirm the connection on site.
8. All roof plumbing by a licensed plumber to NZBC E1 / AS/NZS 3500.3. Confirm capacities against the spouting manufacturer's tables before ordering.



1 ROOF DRAINAGE PLAN

2 gutter runs · 4 downpipes · 100 mm/hr · 13500 × 9000

SCALE 1:125 @ A3

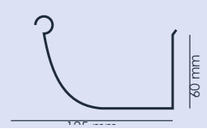
0 1 2 m

DOWNPIPE CALCULATION

Roof / gutter run	Plan area m²	Intensity mm/hr	Q L/s	DP capacity L/s	DP required	Provided	Governed by
G1 Front eave	72.9	100	2.03	2.4	1	**2**	12 m max run
G2 Rear eave	60.8	100	1.69	2.4	1	**2**	12 m max run

Q = A × i ÷ 3600, A the plan (horizontal) area each gutter drains — each side of a gable separately. Provided = the greater of downpipe capacity, spouting capacity per outlet and the maximum spouting run to an outlet; outlets at the ends of runs, none mid-doorway. Design intensity 100 mm/hr (NZ: E1/AS1; above 100 mm/hr use E1/VM1 with HIRDS). Final sizing to the governing code — NZBC E1 or AS/NZS 3500.3.

PLUMBING FIXTURE SCHEDULE

Item	Specification	Qty	Unit	Note
Spouting	125 mm quarter round, 0.55 mm Colorsteel Karaka, 6 m lengths, fall min 1:500 	**27**	m	6 lengths
Downpipe	80 mm round, Colorsteel Karaka	**13.9**	m	4 downpipes
Spouting bracket	Internal steel, max 900 mm crs + one at each joint and outlet	**40**	no.	
Stop end — LH	125 quarter round	**2**	no.	
Stop end — RH	125 quarter round	**2**	no.	
Outlet / drop end	To suit 80 mm round	**4**	no.	
Internal / external corner	90° mitre — straight runs, none needed	**0**	no.	
Joiner	125 quarter round, sealed	**4**	no.	
Expansion joint	On runs over 12 m	**2**	no.	
Offset bend (swan neck)	95° elbow F+F to AS/NZS 1254, 80 mm round — a pair per downpipe off an overhang	**4**	no.	
Shoe / bend to stormwater	95° elbow F+F to AS/NZS 1254, 80 mm round, discharging onto the slab	**4**	no.	
Pipe clip	Steel, 450 mm crs, min 2 per downpipe	**32**	no.	
Fascia	0.55 mm Colorsteel Karaka, fixed over the cladding at the eave; the spouting brackets fix through it	**27**	m	
Eave flashing behind spouting	0.55 mm Colorsteel Karaka	**27**	m	
Overflow relief	Front-face overflow slots or relief outlet, per run (NZBC E1)	**2**	no.	

Spouting and downpipes by length (m), as priced. Brackets at 900 mm crs max plus one at each joint, corner and outlet; clips at 1.2 m crs max, min 2 per downpipe. Fall min 1:500. Provide overflow relief for a blocked outlet.

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Scale @A3:
1:125

Drawing Title:
ROOF DRAINAGE & PLUMBING SCHEDULE

A105

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