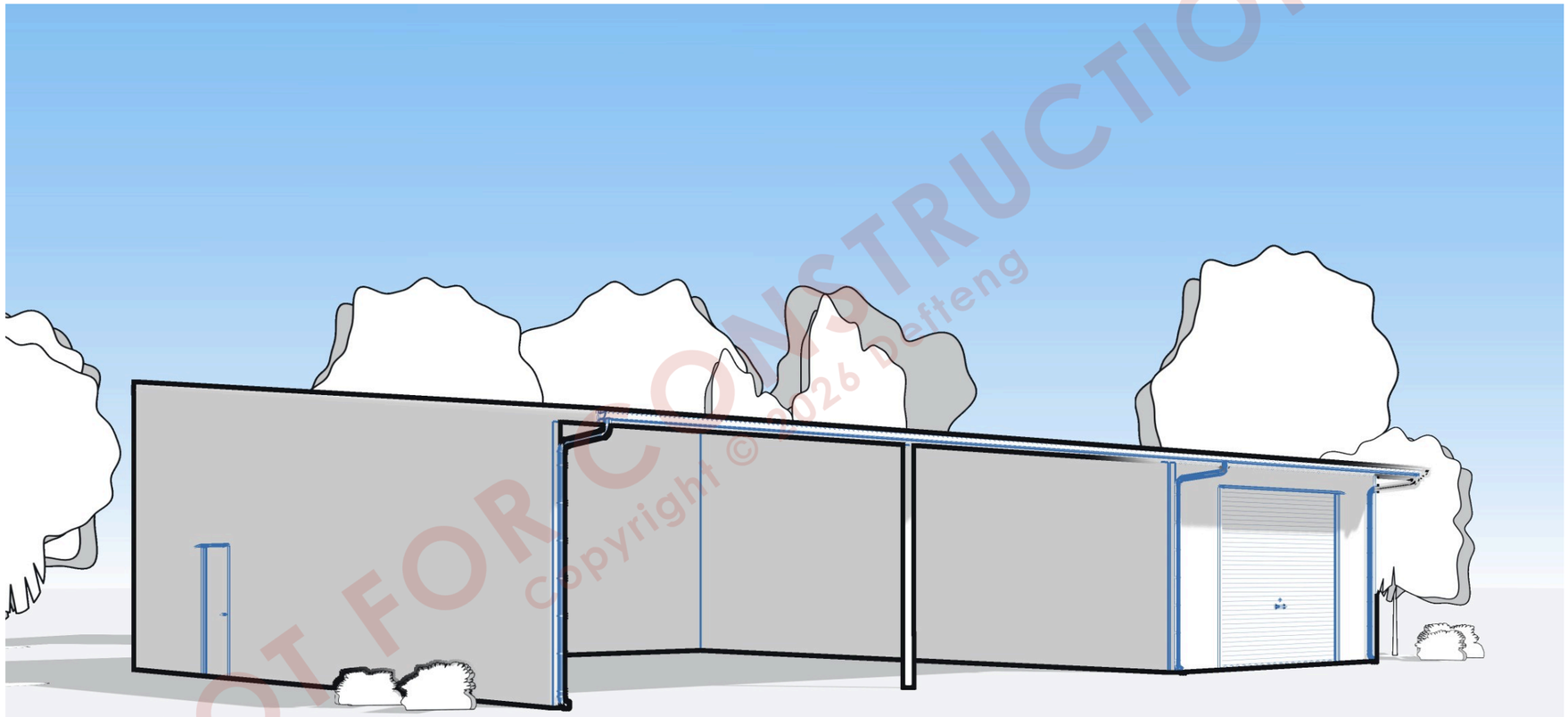
METHVEN — KITSET HAY BARN

PROPOSED KITSET SHED SITE ADDRESS

HAY BARN

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:
METHVEN — KITSET HAY BARN

Site Address:
PROPOSED KITSET SHED SITE ADDRESS

Building Type:
HAY BARN

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

Drawn:
Abdullah Nazir

Project ID:
DEFLO-860-6883036

Revision:
1

Project Status:
Preliminary Drawings

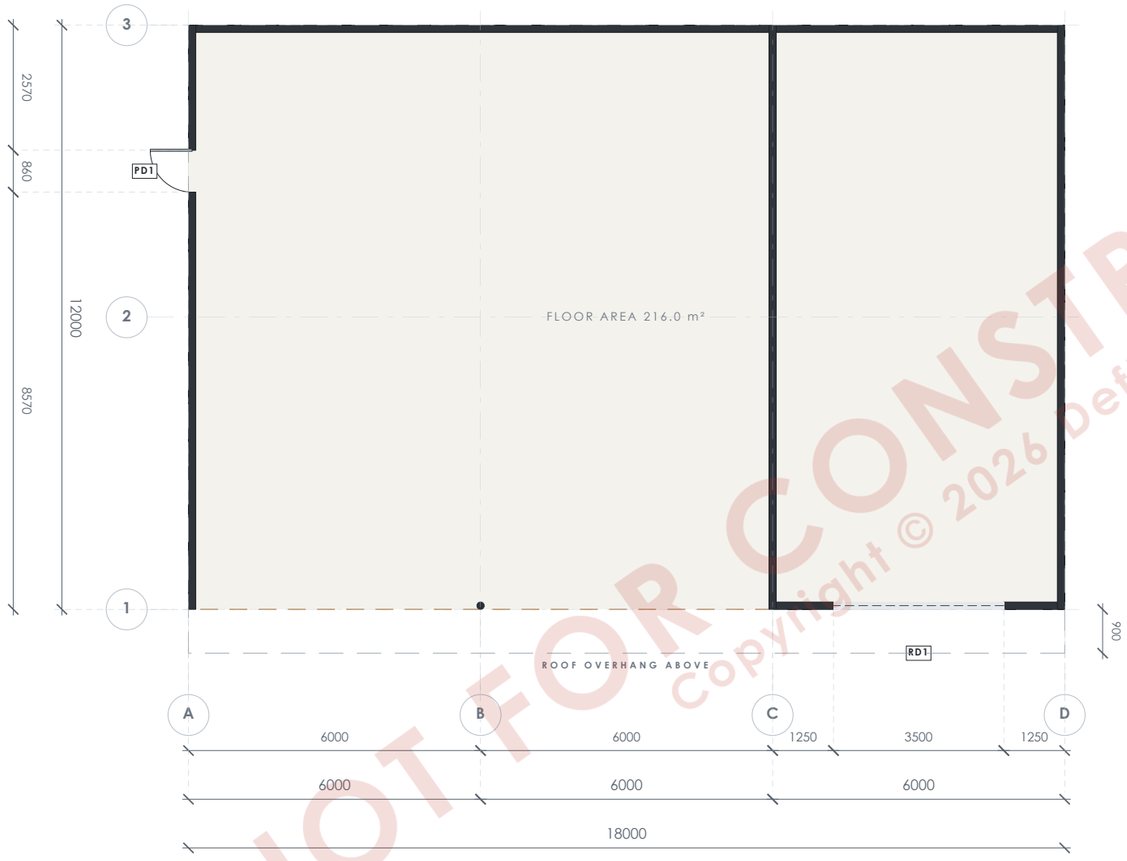
Date:
06/11/2026

Scale @A3:
NTS

Drawing Title:
COVER

G000

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DOOR SCHEDULE

Mark	Type	Width	Height	Qty	Location
RD1	ROLLER DOOR	3500	3000	1	FRONT
PD1	PA DOOR · LH OUT	860	2000	1	LEFT END

WINDOW SCHEDULE

Mark	Width	Height	Sill	Qty	Location
NONE					

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	KARAKA	PIERCE FIXED

Cover width and BMT in mm. Roof pitch 5.72° · 5-Rib published minimum 3°. Confirm against the manufacturer's literature.

SCALE 1:125 @ A3

0 1 2 m

1 FLOOR PLAN

18000 × 12000 · 3 bays · 3 openings

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06/11/2026

Scale @A3:
1:125

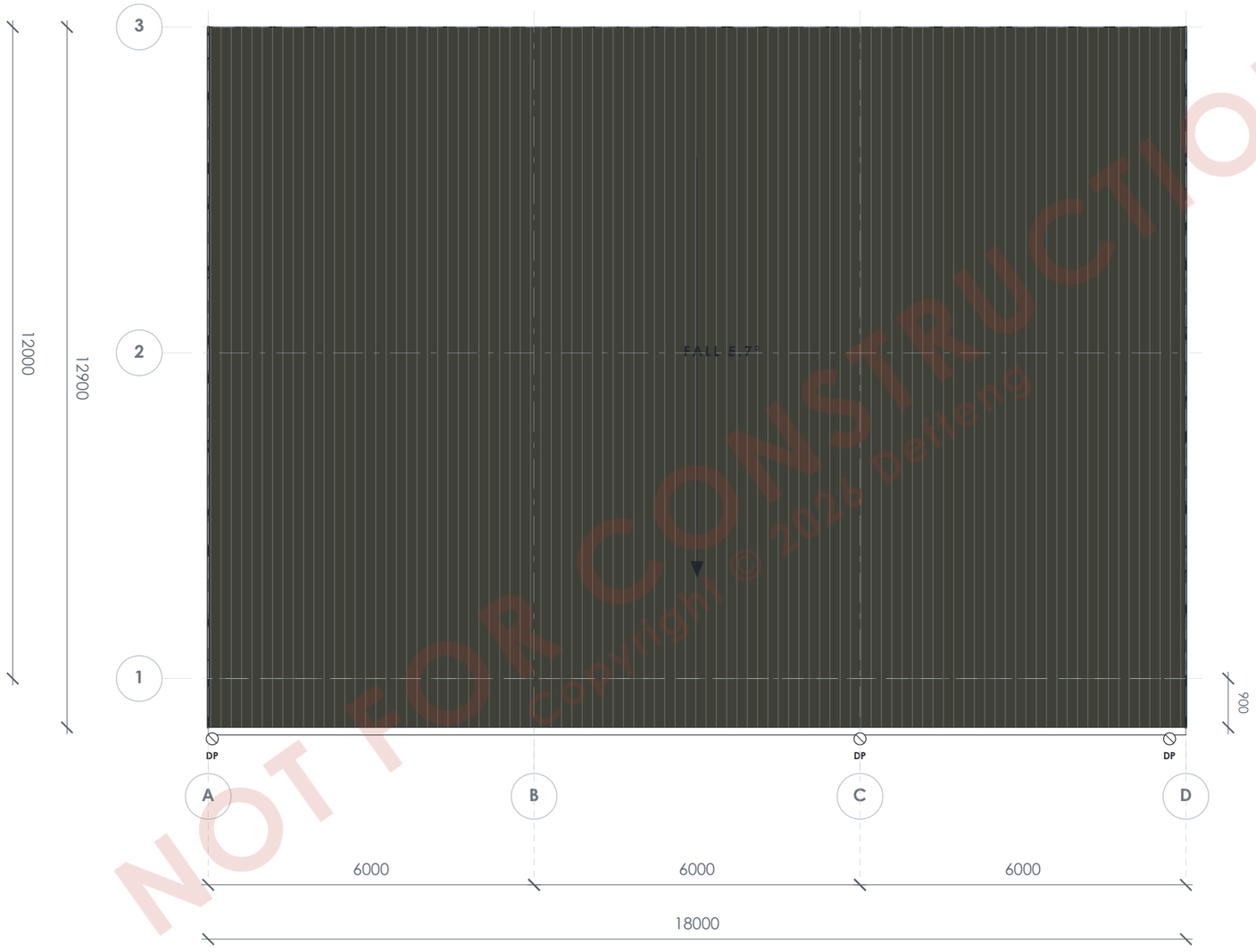
Drawing Title:
FLOOR PLAN

A101

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1 ROOF LAYOUT

Mono · pitch 5.7° · rafter run 12060 · 5-Rib roofing

SCALE 1:100 @ A3

0 1 2 m

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Drawn:
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Project ID:
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Revision:
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Preliminary Drawings

Date:
06/11/2026

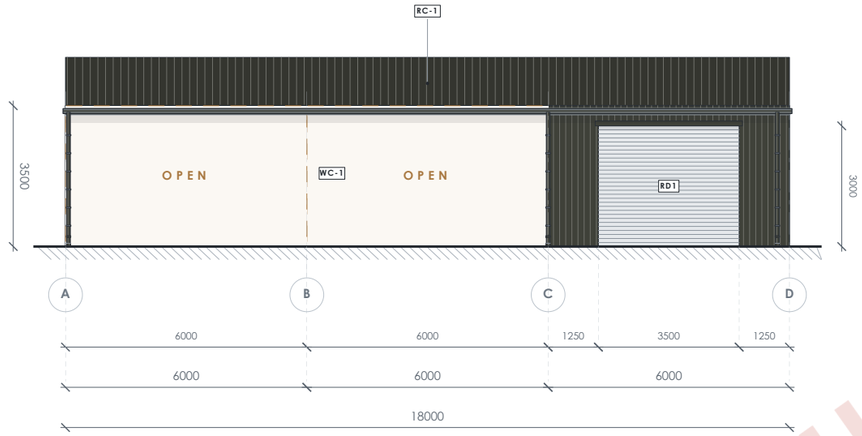
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Drawing Title:
ROOF LAYOUT

A102

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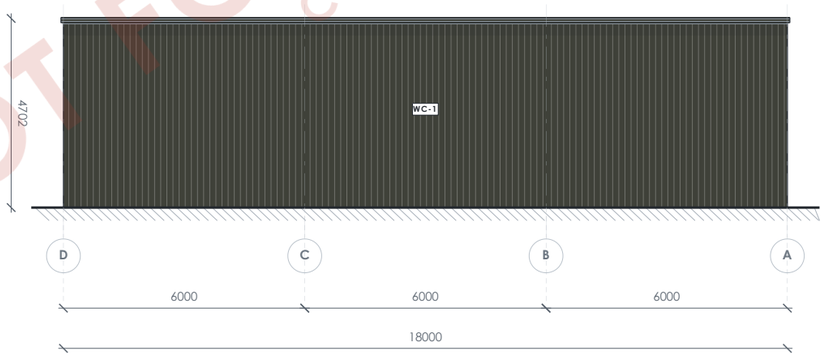


1 FRONT ELEVATION

Low eave 3500 · Corrugate walls

SCALE 1:150 @ A3

0 2 4 m



2 REAR ELEVATION

High eave 4702 · Corrugate walls

SCALE 1:150 @ A3

0 2 4 m

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Abdullah Nazir

Project ID:
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06/11/2026

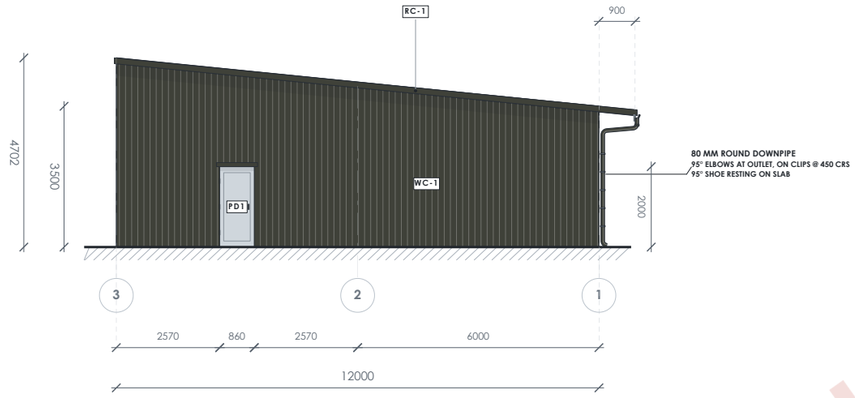
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Drawing Title:
ELEVATIONS — FRONT & REAR

A103

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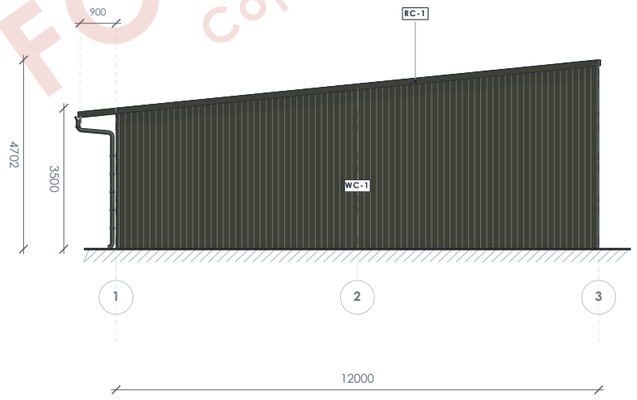


1 LEFT ELEVATION

Span 12000 · low eave 3500 · high eave 4702 · Corrugate walls

SCALE 1:150 @ A3

0 2 4 m



2 RIGHT ELEVATION

Span 12000 · low eave 3500 · high eave 4702 · Corrugate walls

SCALE 1:150 @ A3

0 2 4 m

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Abdullah Nazir

Project ID:
DEFLO-860-6883036

Revision:
1

Project Status:
Preliminary Drawings

Date:
06/11/2026

Scale @A3:
1:150

Drawing Title:
ELEVATIONS — LEFT & RIGHT

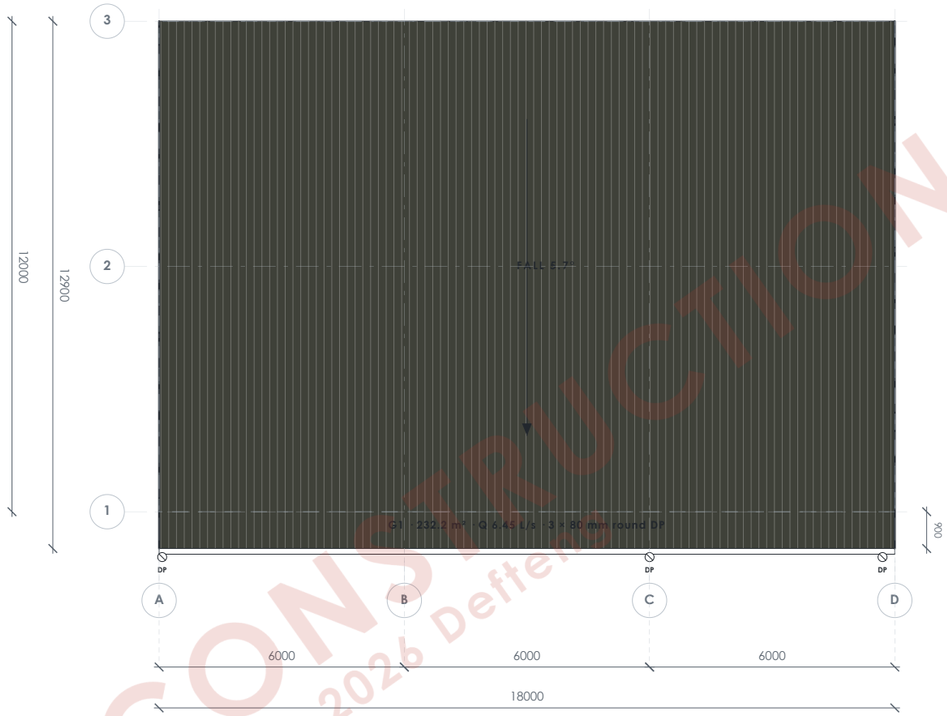
A104

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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. 1 gutter run, 232.2 m² of roof, drained by **3 × 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

1 gutter run · 3 downpipes · 100 mm/hr · 18000 × 12000

SCALE 1:150 @ A3

0 2 4 m

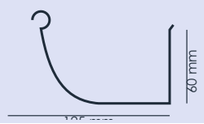
DOWNPIPE CALCULATION

Roof / gutter run	Plan area m²	Intensity mm/hr	Q L/s	DP capacity L/s	DP required	Provided	Governed by
G1 Low (front) eave	232.2	100	6.45	2.4	3	**3**	downpipe capacity

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	**18**	m	3 lengths
Downpipe	80 mm round, Colorsteel Karaka	**10.2**	m	3 downpipes
Spouting bracket	Internal steel, max 900 mm crs + one at each joint and outlet	**26**	no.	
Stop end — LH	125 quarter round	**1**	no.	
Stop end — RH	125 quarter round	**1**	no.	
Outlet / drop end	To suit 80 mm round	**3**	no.	
Internal / external corner	90° mitre — straight runs, none needed	**0**	no.	
Joiner	125 quarter round, sealed	**2**	no.	
Expansion joint	On runs over 12 m	**1**	no.	
Offset bend (swan neck)	95° elbow F+F to AS/NZS 1254, 80 mm round — a pair per downpipe off an overhang	**6**	no.	
Shoe / bend to stormwater	95° elbow F+F to AS/NZS 1254, 80 mm round, discharging onto the slab	**3**	no.	
Pipe clip	Steel, 450 mm crs, min 2 per downpipe	**24**	no.	
Fascia	0.55 mm Colorsteel Karaka, fixed over the cladding at the eave; the spouting brackets fix through it	**18**	m	
Eave flashing behind spouting	0.55 mm Colorsteel Karaka	**18**	m	
Overflow relief	Front-face overflow slots or relief outlet, per run (NZBC E1)	**1**	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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PROPOSED KITSET SHED SITE ADDRESS

Building Type:
HAY BARN

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

Drawn:
Abdullah Nazir

Project ID:
DEFLO-860-6883036

Revision: **1**

Project Status: **Preliminary Drawings**

Date: **06/11/2026**

Scale @A3: **1:150**

Drawing Title:
ROOF DRAINAGE & PLUMBING SCHEDULE

A105

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