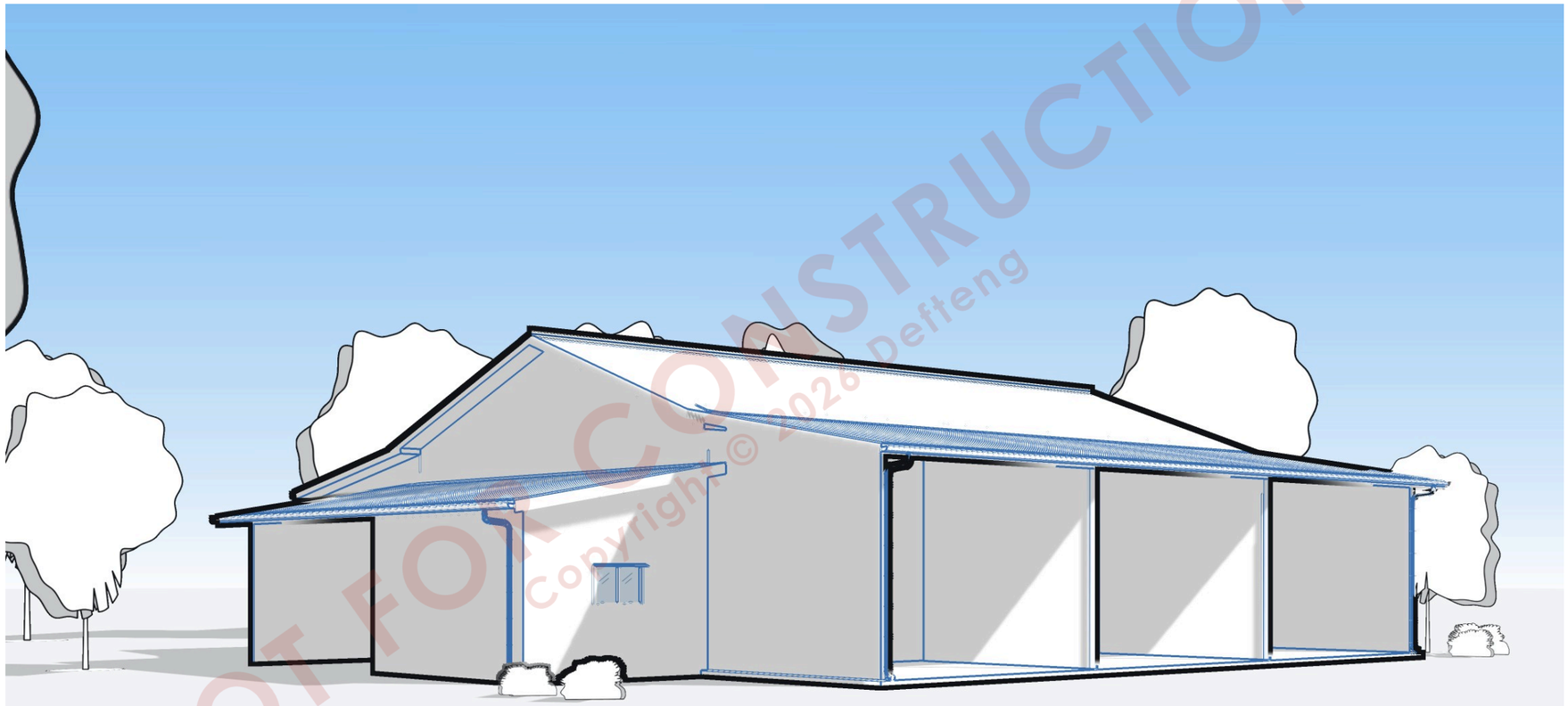
CAMBRIDGE — KITSET AMERICAN BARN (4 UNIT)

PROPOSED KITSET SHED SITE ADDRESS

AMERICAN BARN

DRAWING INDEX

NUMBER	DRAWING NAME
G000	COVER
A100	SITE PLAN
A101	FLOOR PLAN — ALL BUILDINGS
A102	ROOF LAYOUT — ALL BUILDINGS
A103	ELEVATIONS — FRONT & REAR
A104	ELEVATIONS — LEFT & RIGHT
A105	ROOF DRAINAGE & PLUMBING SCHEDULE



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Project Name:
CAMBRIDGE — KITSET AMERICAN BARN (4 UNIT)

Site Address:
PROPOSED KITSET SHED SITE ADDRESS

Building Type:
AMERICAN BARN

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

Drawn:
Abdullah Nazir

Project ID:
DEFLO-773-6137354

Revision:
1

Project Status:
Preliminary Drawings

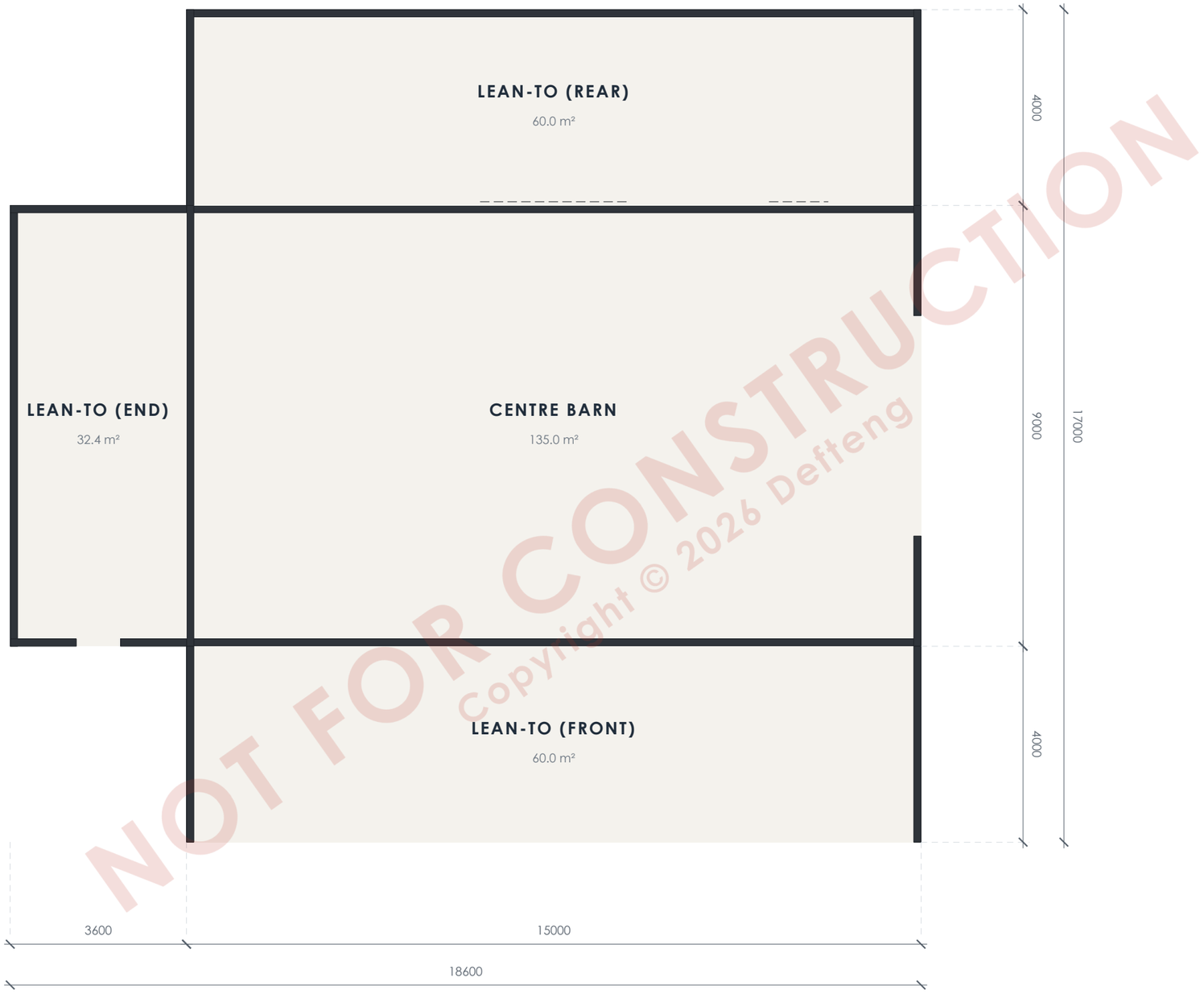
Date:
06/11/2026

Scale @A3:
NTS

Drawing Title:
COVER

G000

6/11/2026 1:27:37 am



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1 SITE PLAN

4 buildings · common walls shown once

SCALE 1:100 @ A3

0 1 2 m

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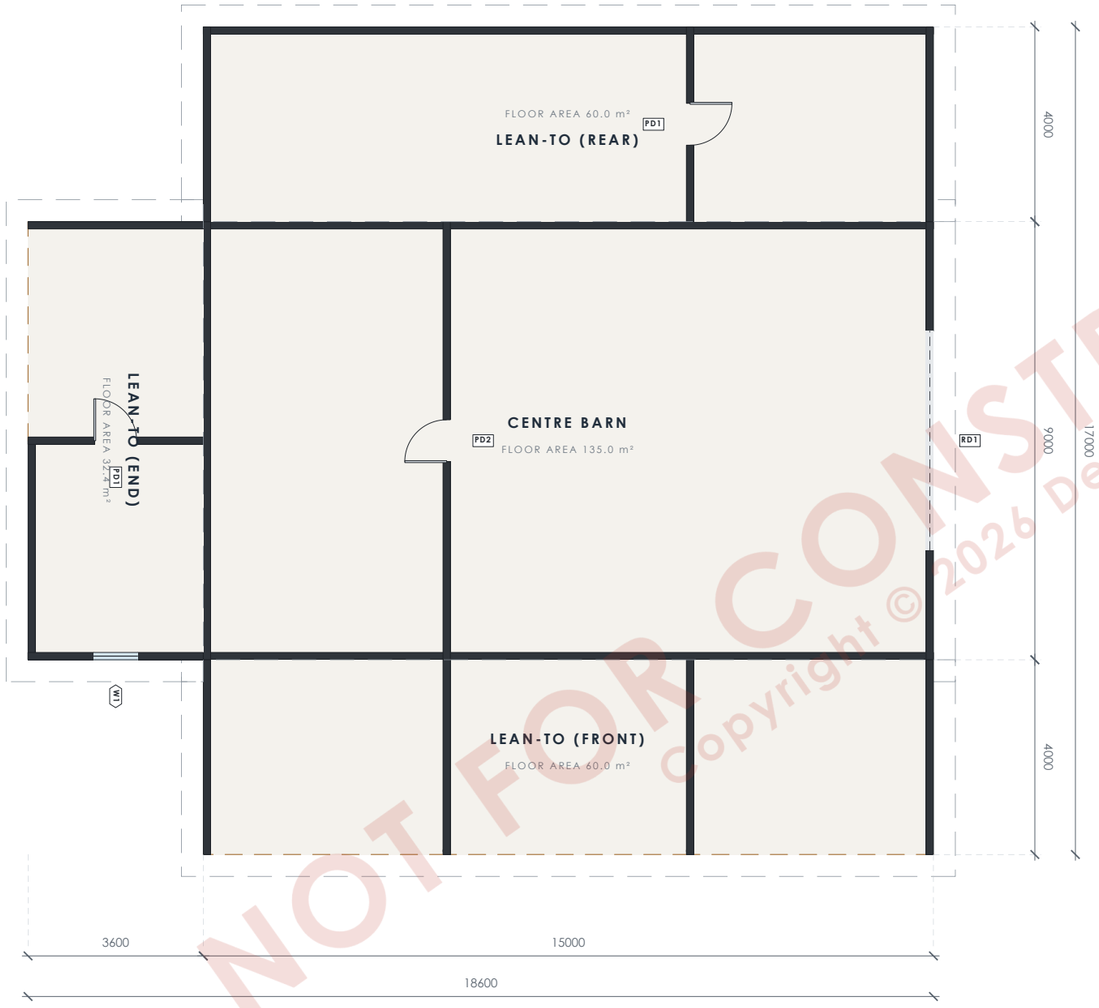
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06/11/2026

Scale @A3:
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Drawing Title:
SITE PLAN

A100

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DOOR SCHEDULE

Mark	Type	Width	Height	Qty	Location
RD1	ROLLER DOOR	4500	3800	1	CENTRE BARN · RIGHT END
SD1	SLIDING DOOR	3000	2400	1	LEAN-TO (REAR) · REAR
PD1	PA DOOR · LH OUT	860	2000	2	LEAN-TO (REAR) · FEED ROOM, LEAN-TO (END) · HAY STORE
PD2	PA DOOR · LH OUT	860	2100	1	CENTRE BARN · INTERNAL (ACROSS)

WINDOW SCHEDULE

Mark	Width	Height	Sill	Qty	Location
W1	900	600	1200	1	LEAN-TO (END) · RIGHT END
W2	1200	900	1200	1	LEAN-TO (REAR) · 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	GREY FRIARS	PIERCE FIXED
WC-1	WALLS	CORRUGATE	762	0.40	IRONSAND	PIERCE FIXED

Cover width and BMT in mm. Roof pitch 10° · 5-Rib published minimum 3°. Confirm against the manufacturer's literature.

SCALE 1:125 @ A3

0 1 2 m

1 FLOOR PLAN — ALL BUILDINGS

4 buildings · 287.4 m² in all

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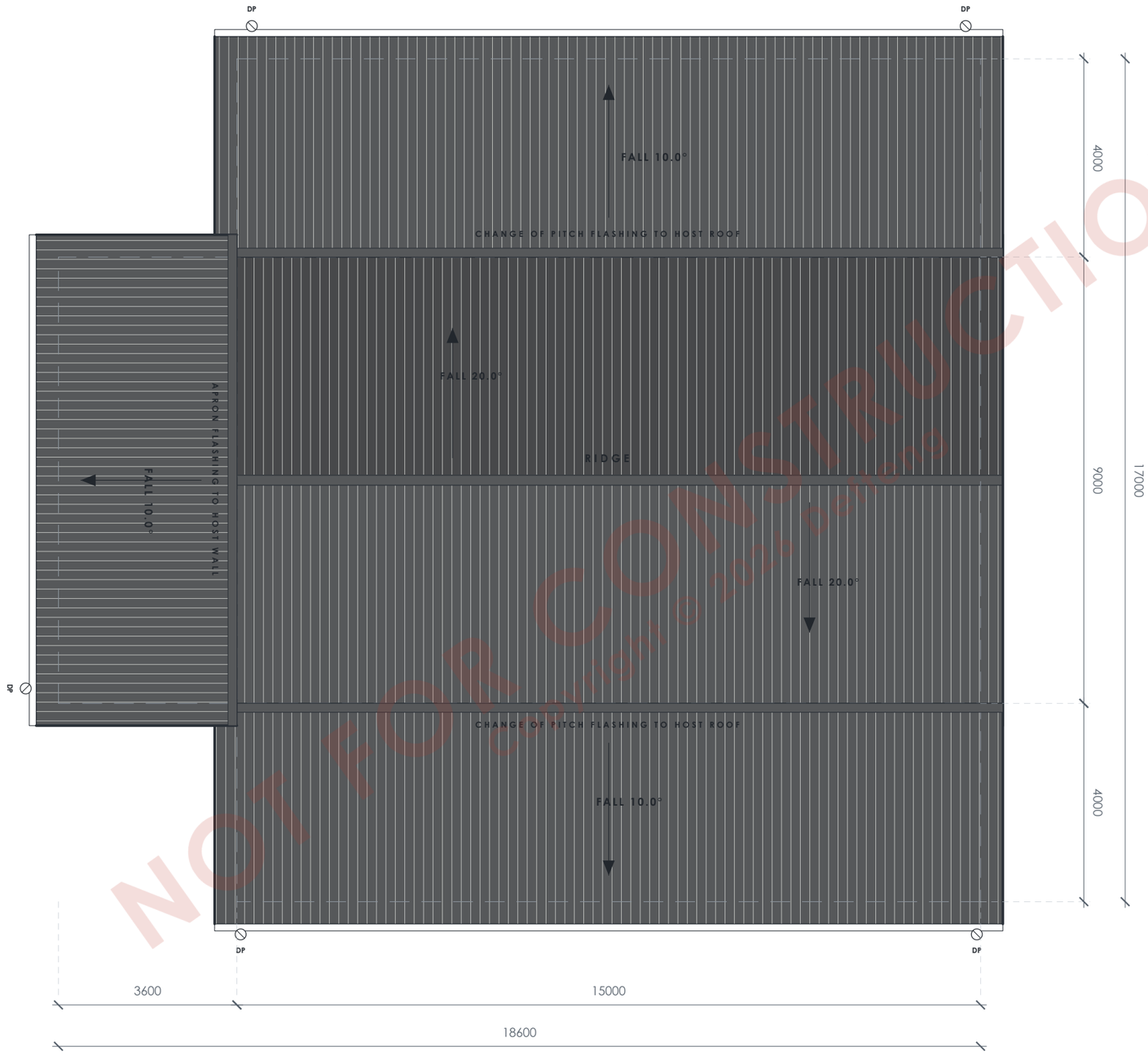
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Drawing Title:
FLOOR PLAN — ALL BUILDINGS

A101

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1 ROOF LAYOUT — ALL BUILDINGS

4 buildings · 287.4 m² in all

SCALE 1:100 @ A3

0 1 2 m

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Project Name:
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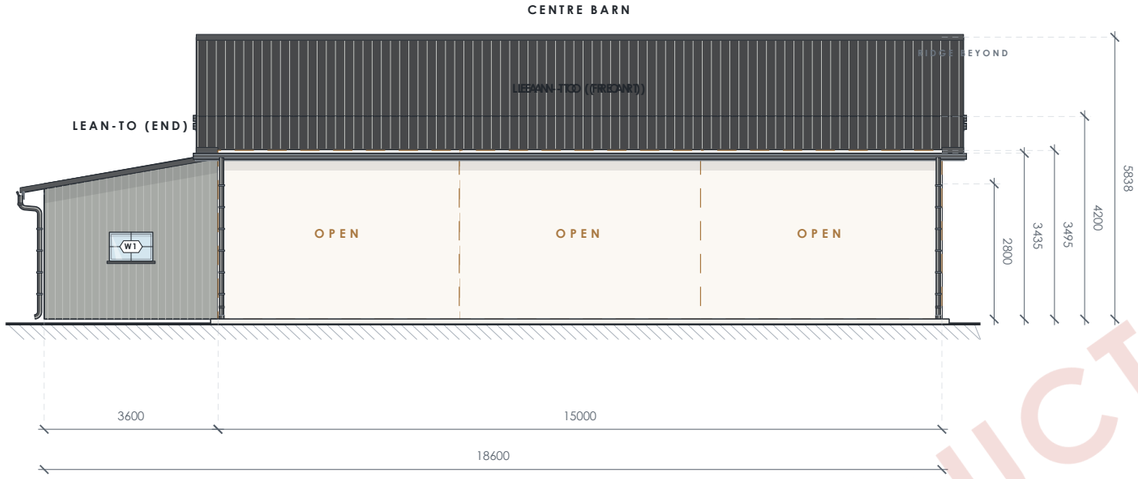
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Drawing Title:
ROOF LAYOUT — ALL BUILDINGS

A102

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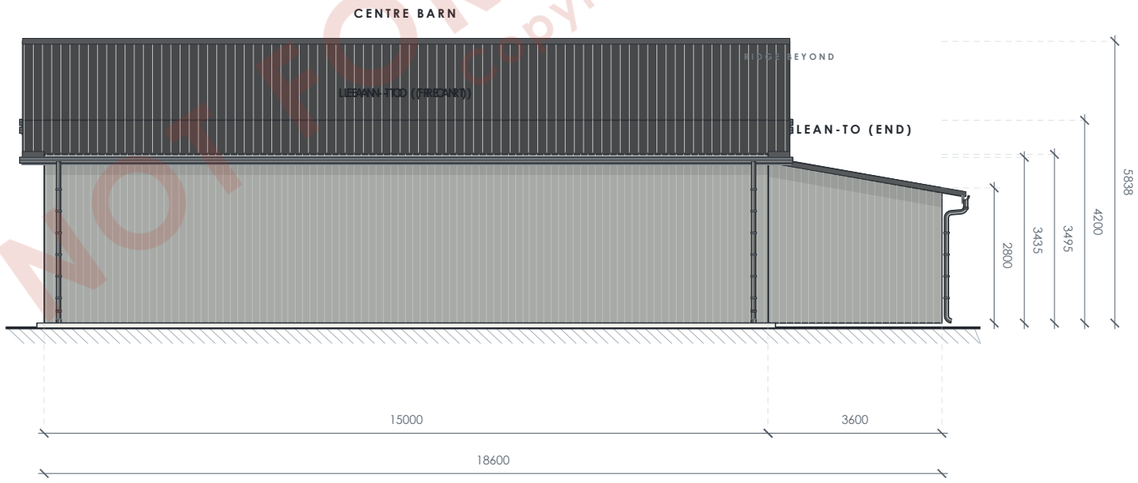


1 FRONT ELEVATION — ALL BUILDINGS

4 buildings · overall 18600

SCALE 1:125 @ A3

0 1 2 m



2 REAR ELEVATION — ALL BUILDINGS

4 buildings · overall 18600

SCALE 1:125 @ A3

0 1 2 m

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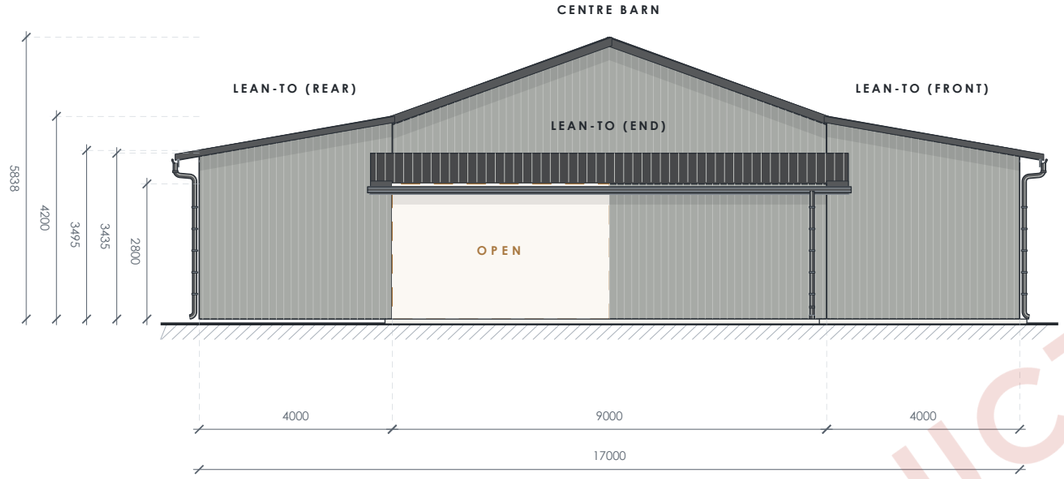
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Drawing Title:
ELEVATIONS — FRONT & REAR

A103

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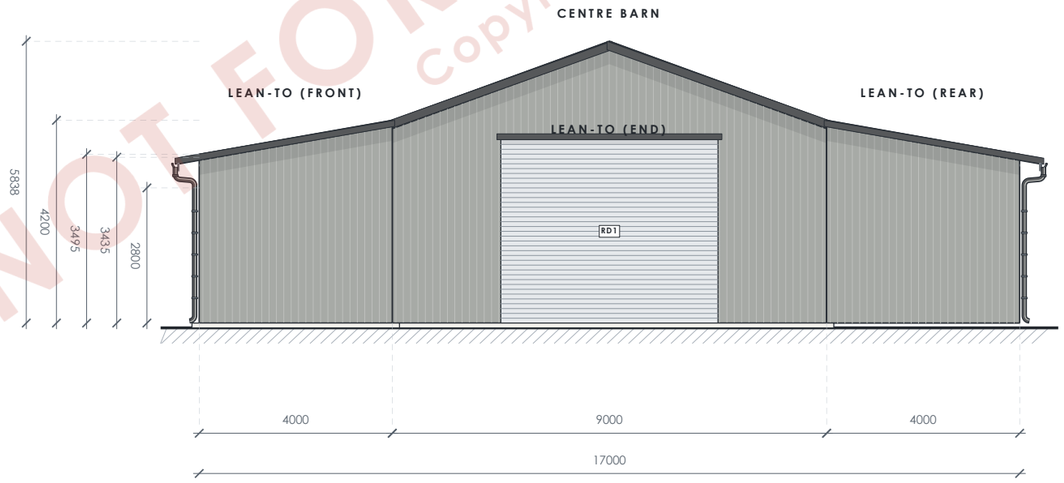


1 LEFT ELEVATION — ALL BUILDINGS

4 buildings · overall 17000

SCALE 1:125 @ A3

0 1 2 m



2 RIGHT ELEVATION — ALL BUILDINGS

4 buildings · overall 17000

SCALE 1:125 @ A3

0 1 2 m

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

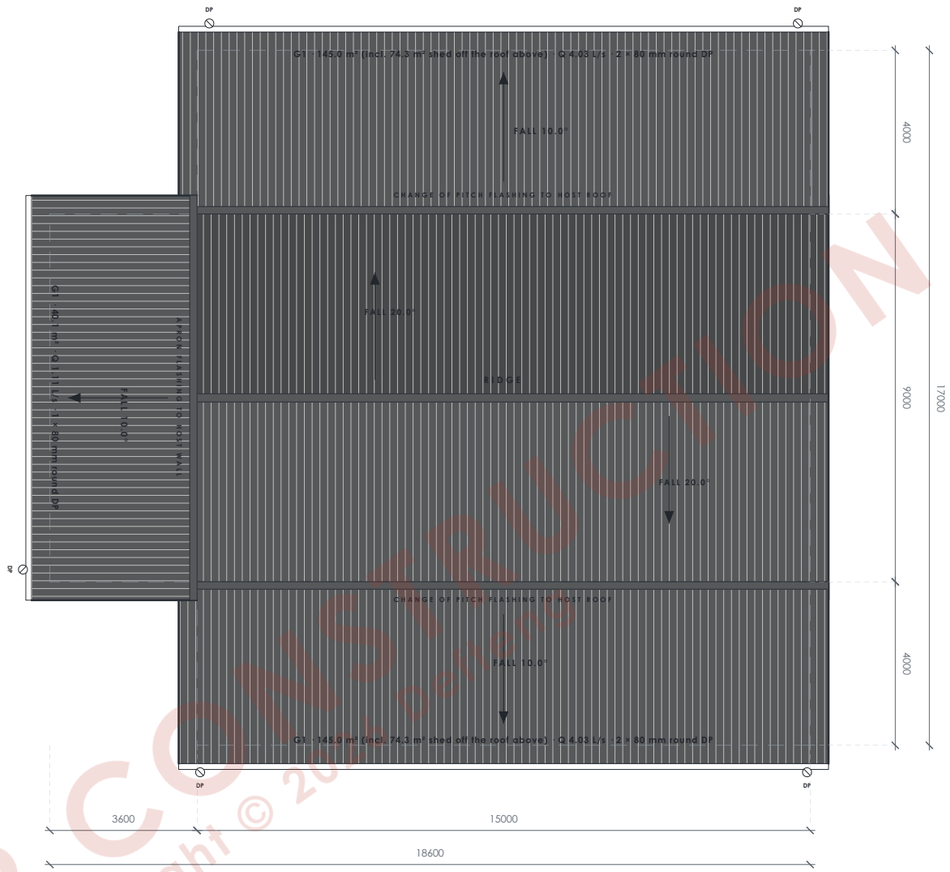
A104

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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. 3 gutter runs, 330.1 m² of roof, drained by **5 × 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 — ALL BUILDINGS

4 buildings · 287.4 m² in all

SCALE 1:150 @ A3

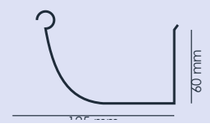
0 2 4 m

DOWNPIPE CALCULATION

Roof / gutter run	Plan area m²	Intensity mm/hr	Q L/s	DP capacity L/s	DP required	Provided	Governed by
Lean-To (Front) · G1 Low (front) eave — also takes 74.3 m² off Centre Barn	145.0	100	4.03	2.4	2	**2**	downpipe capacity
Lean-To (Rear) · G1 Low (front) eave — also takes 74.3 m² off Centre Barn	145.0	100	4.03	2.4	2	**2**	downpipe capacity
Lean-To (End) · G1 Low (front) eave	40.1	100	1.11	2.4	1	**1**	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 Titania, 6 m lengths, fall min 1:500 	**41.7**	m	
Downpipe	80 mm round, Colorsteel Titania	**16.3**	m	
Spouting bracket	Internal steel, max 900 mm crs + one at each joint and outlet	**60**	no.	
Stop end — LH	125 quarter round	**3**	no.	
Stop end — RH	125 quarter round	**3**	no.	
Outlet / drop end	To suit 80 mm round	**5**	no.	
Internal / external corner	90° mitre — straight runs, none needed	**0**	no.	
Joiner	125 quarter round, sealed	**5**	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	**10**	no.	
Shoe / bend to stormwater	95° elbow F+F to AS/NZS 1254, 80 mm round, discharging onto the slab	**5**	no.	
Pipe clip	Steel, 450 mm crs, min 2 per downpipe	**39**	no.	
Fascia	0.55 mm Colorsteel Titania, fixed over the cladding at the eave; the spouting brackets fix through it	**41.7**	m	
Eave flashing behind spouting	0.55 mm Colorsteel Titania	**41.7**	m	
Overflow relief	Front-face overflow slots or relief outlet, per run (NZBC E1)	**3**	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:
1:150

Drawing Title:
ROOF DRAINAGE & PLUMBING SCHEDULE

A105

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