Reinforcing Mesh

Information Manual

100% NEW ZEALAND OWNED & OPERATED

WELDED MESH
NZ WELDED MESH LTD

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INTRODUCTION

NZ Welded Mesh Ltd is a privately owned company that was established in 1984, the company has built a reputation over the last 24 years as a specialist reinforcing mesh manufacturer and has grown rapidly since that time.

NZ Welded Mesh Ltd moved to Mt. Wellington, Auckland to a new purpose-built factory in 1997. Supplying a full range of reinforcing mesh to the building industry through our major timber and hardware merchants.

NZ Welded Mesh Ltd has made every effort to ensure that the information and advice given in this Information Manual is produced with proper care, no liability or responsibility of any kind is accepted by NZ Welded Mesh Ltd.

NZ Welded Mesh Ltd

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STANDARD MESHES

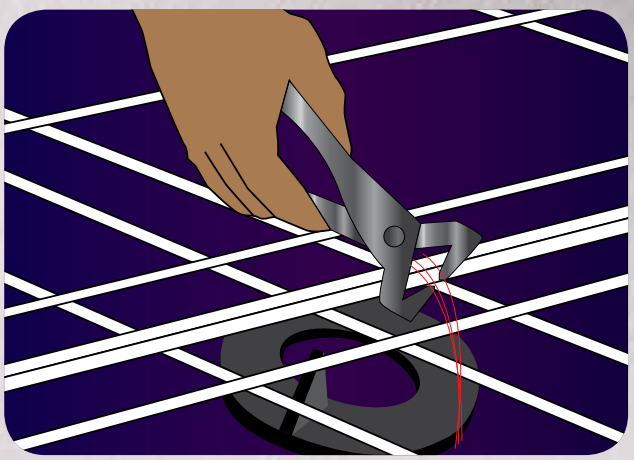
Mesh is manufactured from Hard Drawn Mild Steel Wire to NZS 3421:1975 and manufactured to NZS 3422:1975.

Mesh Type	Wire Diameter (mm)	Wire Pitch (mm)	Sheet Size (m)	Cross Sectional Area/Metre (mm^2/m)	Sheet Weight (KGs)	Gross Cover (m^2)	Nett Cover (m^2)
TWIN EDGE ECONOMY MESH							
TE84/10	5.64	300	4.90 x 2.20	84	15.93	10.78	10.08
T147/10	7.50	300	4.90 x 2.20	147	28.36	10.78	10.08
STANDARD MESH							
STD668	4.0	150	4.65 x 1.97	84	12.49	9.16	7.52
STD666	5.0	150	4.65 x 1.97	131	19.43	9.16	7.52
STD665	5.3	150	4.65 x 1.97	147	21.83	9.16	7.52
STD664	6.0	150	4.65 x 1.97	188	28.01	9.16	7.52
STD663	6.3	150	4.65 x 1.97	208	30.91	9.16	7.52
STD662	7.1	150	4.65 x 1.97	264	39.24	9.16	7.52
STD661	7.5	150	4.65 x 1.97	295	43.78	9.16	7.52
F14665	5.3	150	6.15 x 2.42	147	35.36	14.88	12.76
F14664	6.0	150	6.15 x 2.42	188	45.32	14.88	12.76
F14663	6.3	150	6.15 x 2.42	208	49.96	14.88	12.76
STD338	4.0	75	4.56 x 1.97	168	24.00	8.98	7.52
STD335	5.3	75	4.56 x 1.97	294	42.13	8.98	7.52
STD333	6.3	75	4.56 x 1.97	416	59.53	8.98	7.52
TOP STEEL – RIB MESH							
TS147	7.5	300	6.00 x 2.40	147	30.38	14.4	11.97
TS212	9.0	300	6.00 x 2.40	212	43.75	14.4	11.97

TWIN EDGE ECONOMY MESH – Info

Equivalent of 665 and 668 Meshes

Lower Material Costs



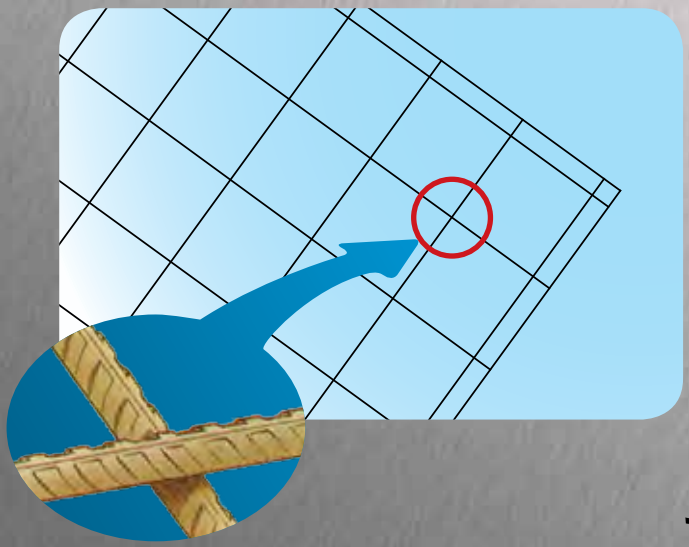
With the two outermost wires being 50mm apart, lapping wastage can be reduced by up to 14%!

Faster Job Completion

Minimised overhangs make the product easier and safer to stack, carry and emplace.

The wider spaced main wires allow easier installation of mesh support chairs, tying of laps and placement of concrete.

Ultimate Peace of Mind



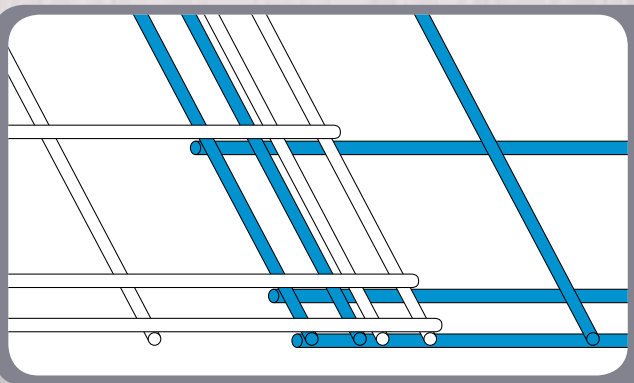
The main wires are spaced at 300mm, allowing you to walk between (not on) the mesh. This safeguards under membranes from damages.

Being manufactured from deformed wire allows better adherence to concrete, and is less slippery to work on when wet.

TWIN EDGE ECONOMY MESH – Technical Info

Dimensions

Economy 147/10 + 84/10			
Sheet Size	**Gross Cover**	**LAP**	**Nett Cover**
Width (m)	2.20	0.10	2.10
Length (m)	4.90	0.10	4.80
Area (m^2)	10.78	–	10.08



ORDER CODES

T 147/10
(665 MESH EQUIVALENT)

TE 84/10
(668 MESH EQUIVALENT)

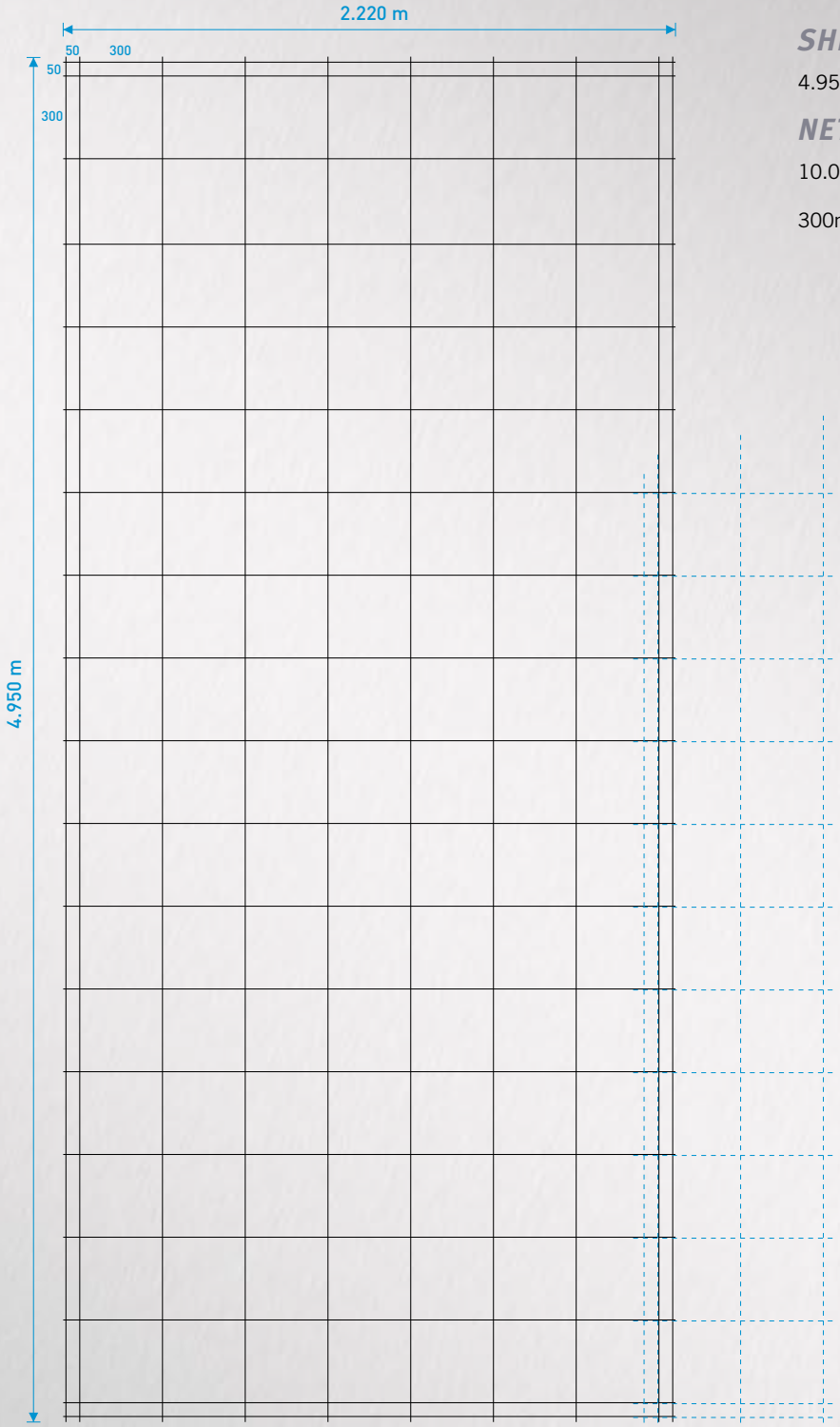
TYPICAL TWO SHEET LAP DETAIL

* The 100 mm lap detail of Economy has been BRANZ appraised.

Specifications

	ECONOMY 147/10	ECONOMY 84/10
Wire Type – Deformed	7.5 mm and two outermost longitudinal wires 5.0 mm	5.6 mm and two outermost longitudinal wires 4.0 mm
Distance Between Wire Centres	300 mm and two outermost wires 50 mm	300 mm and two outermost wires 50 mm
Cross Sectional Area – Mesh	147 mm^2/mm	84 mm^2/mm
Yield Strength	485 MPa	485 MPa
Mass per Square Metre	2.31 kg/m^2	1.29 kg/m^2
Sheet Weight	28.11 kg	16.09 kg

TWIN EDGE ECONOMY MESH – Lap Examples



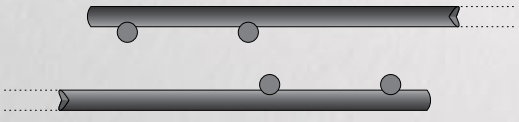
SHEET SIZE

4.950 x 2.220 m

NETT COVER

10.08 m^2 after Lapping

300mm centres

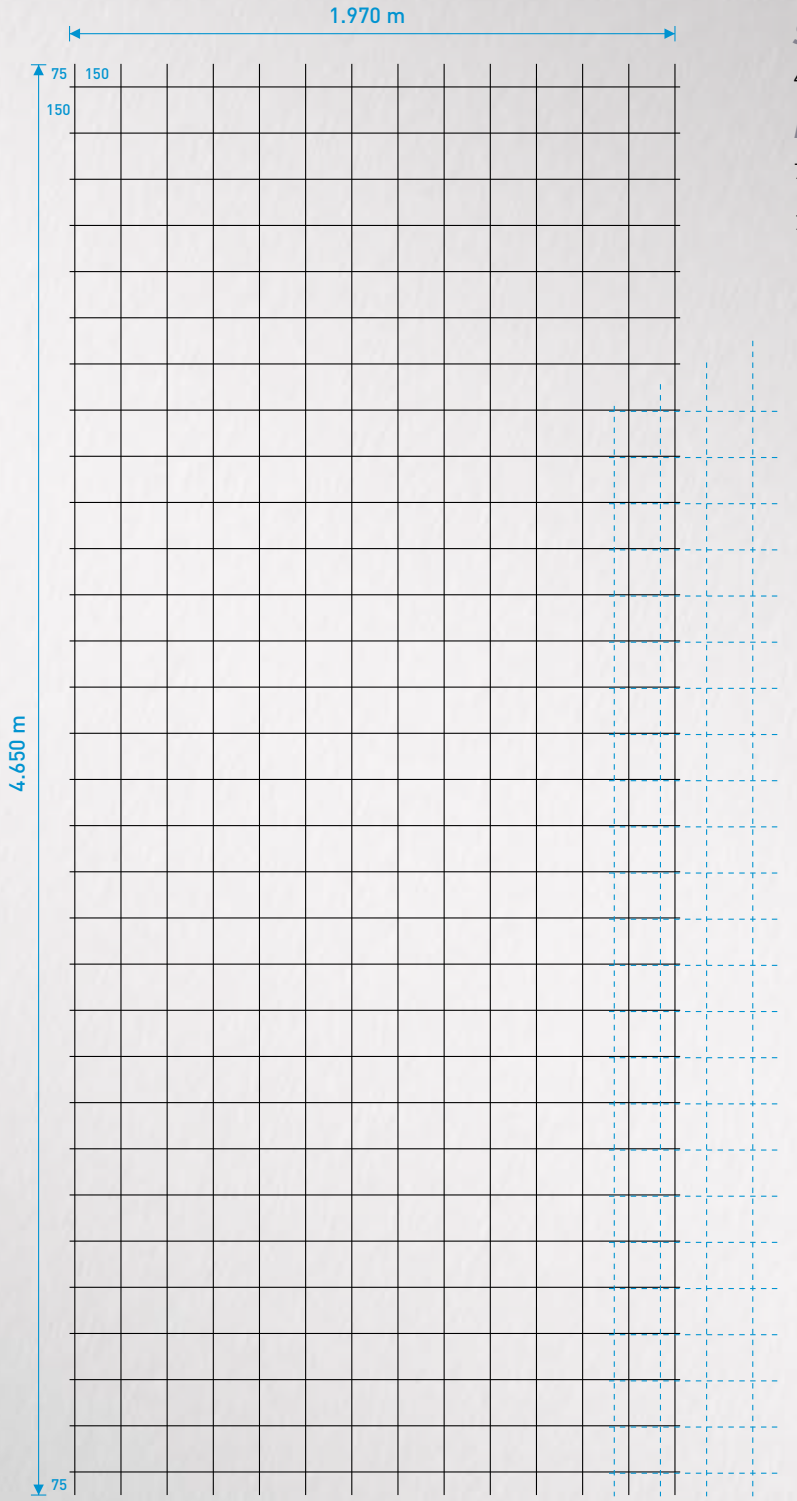


Lap 2 Wires ie. 100mm Lap

NOT TO SCALE

STANDARD MESH – Lap Examples

6” X 6” (150 x 150 mm)



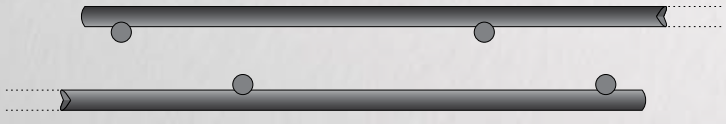
SHEET SIZE

4.650 x 1.970 m

NETT COVER

7.52 m² after Lapping

150mm centres

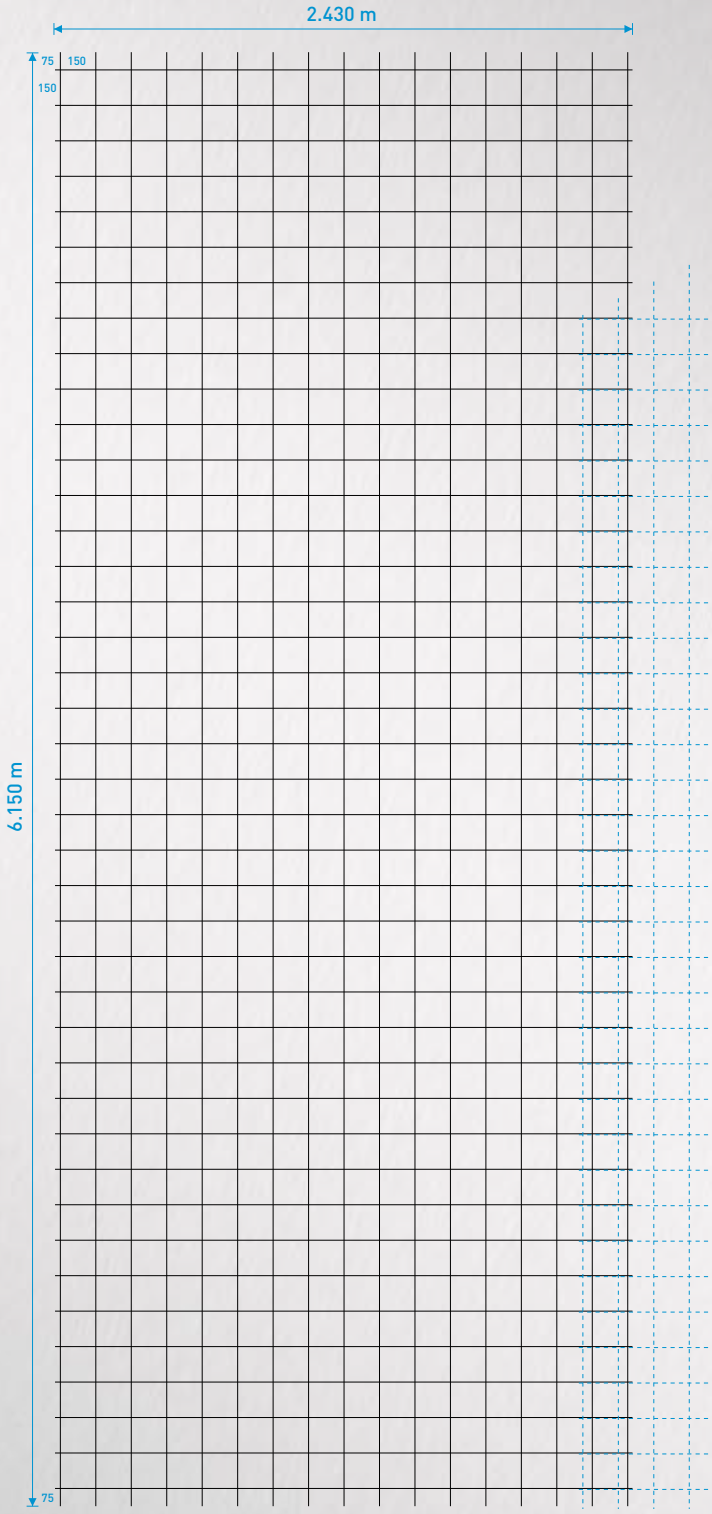


Lap 2 Wires plus 50mm

NOT TO SCALE

F14 MESH – Lap Examples

6” X 6” (150 x 150 mm)



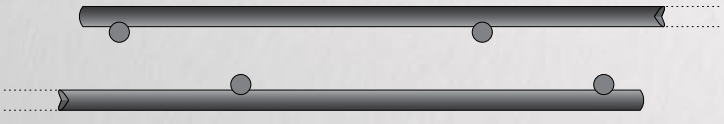
SHEET SIZE

6.150 x 2.430 m

NETT COVER

12.76 m² after Lapping

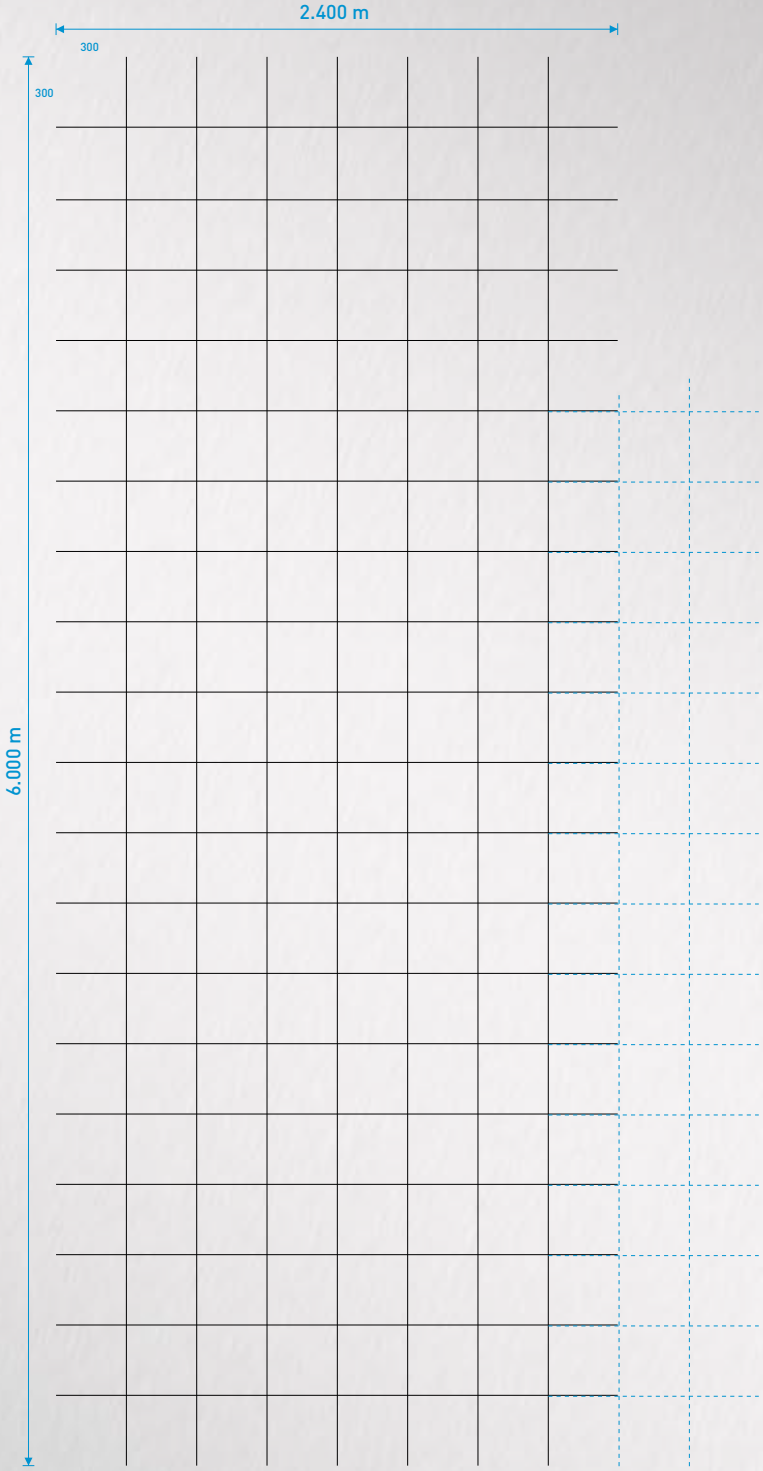
150mm centres



Lap 2 Wires plus 50mm

NOT TO SCALE

TOP STEEL - RIB MESH – Lap Examples



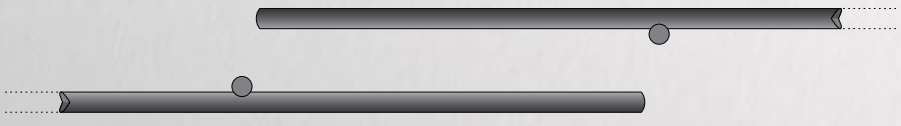
SHEET SIZE

6.000 x 2.400 m

NETT COVER

11.97 m² after Lapping

300mm centres



Lap 300mm Overhang

NOT TO SCALE