

0.0m 1.0m 2.0m 3.0m 4.0m 5.0m

Scale Bar

Project :- Proposed Erection of a Rear Sunlounge

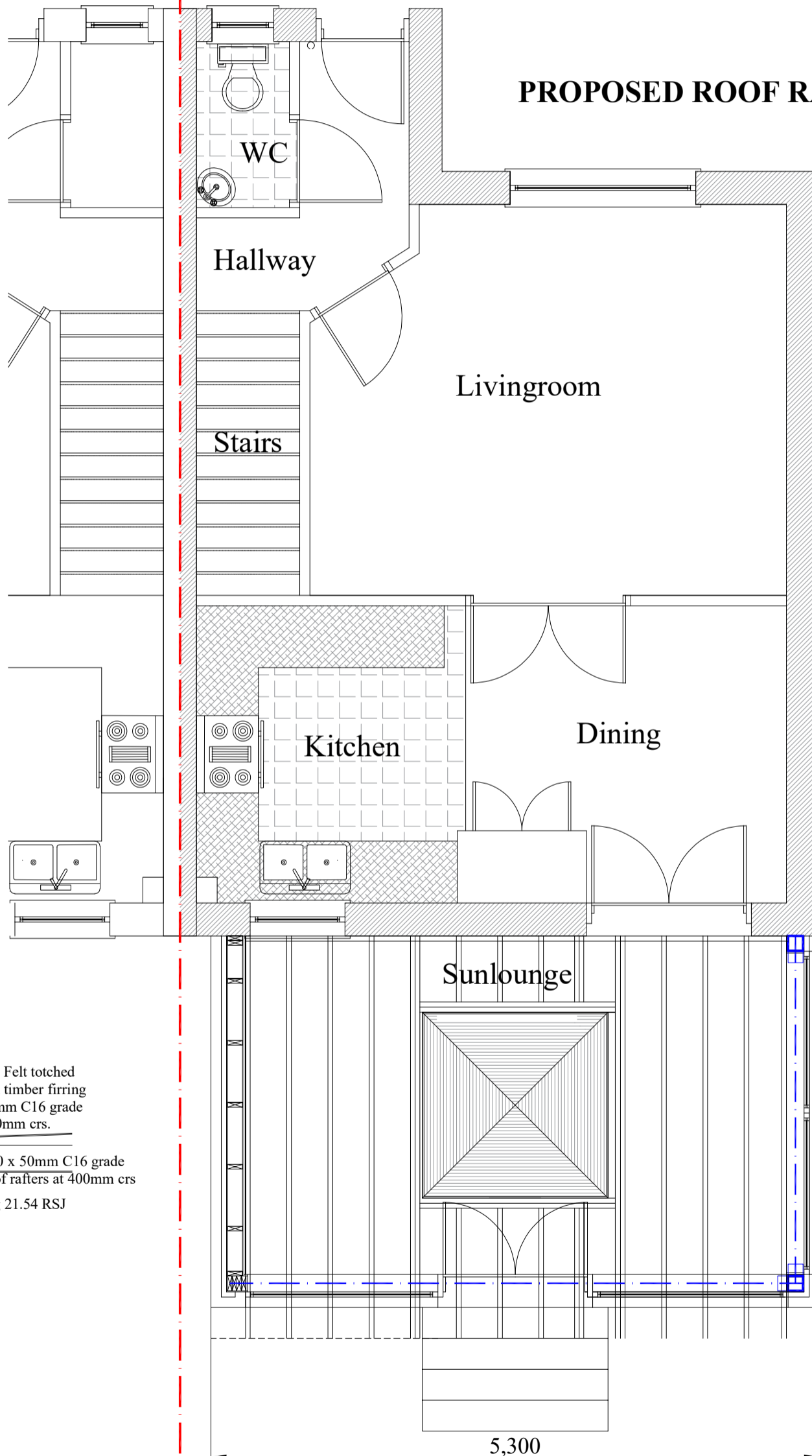
Address :- No9 Thornyflat Crescent, Ayr

Client :- Mr Ankit Parekh

Dwg Title :- Proposed Roof Rafter Layout

Scale :- 1 : 50

Dwg No: - TCA105



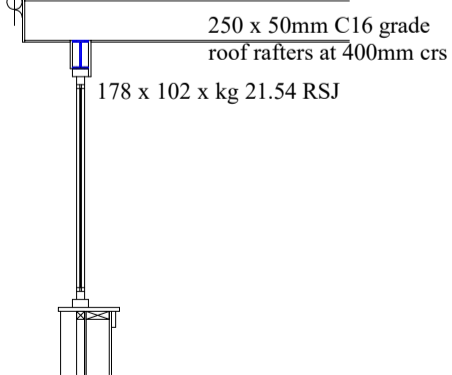
PROPOSED ROOF RAFTER LAYOUT

The Roof construction will be three layers of mineral felt torched onto 18mm OSB that is secured to treated timber furring pieces on 250 x 50mm C16 grade roof rafters at 400mm crs. The underside of the rafters will have 15mm plasterboard applied to them on a vapour check. There will be 150mm Kingspan insulation placed in between the rafters leaving an air void of 100mm above the insulation. This will be ventilated using a 25mm continuous strip vent along the soffit and a 5mm continuous strip vent at the head of the roof or approved equal.

The roof rafters will be supported at the rear wall of the house on a 200 x 50mm treated timber bearer that is rawl bolted to the wall at 400mm crs and by a 178 x 102 x 21.54kg RSJ at the outside face of the sunlounge. The RSJ will have a treated timber plate secured to it and the roof rafters will be secured to the timber plate using truss clips every rafter.

The lantern will be installed by cutting three roof rafters. The rafters will be doubled up either side of the lantern position. There will be two 250 x 50mm C16 timber bridles installed at the head and bottom of the lantern position. The cut rafters will be supported off the bridles using metal joist hangers and the bridles will be supported off the doubled up rafters using metal joist hangers.

3 Layers of Mineral Felt torched onto 18mm OSB on timber furring pieces on 250 x 50mm C16 grade timber rafters at 400mm crs.



250 x 50mm C16 grade roof rafters at 400mm crs

178 x 102 x kg 21.54 RSJ

5,300

3600

Sunlounge

Kitchen

Dining

Stairs

Livingroom

Hallway

WC