Project : - Proposed Installation of Dormers to Rear of House

Address : - 13 Myrtle Park, Glasgow

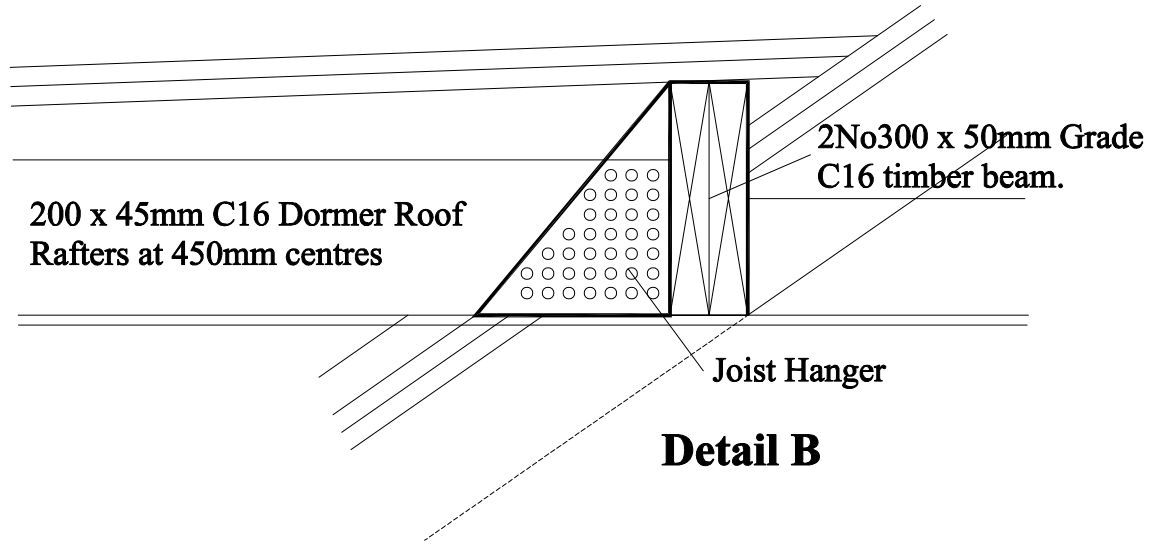
Drawing Title: - Proposed Details of Dormer Roof

Client : -

Scale : - 1 : 50 Date : - August 2020

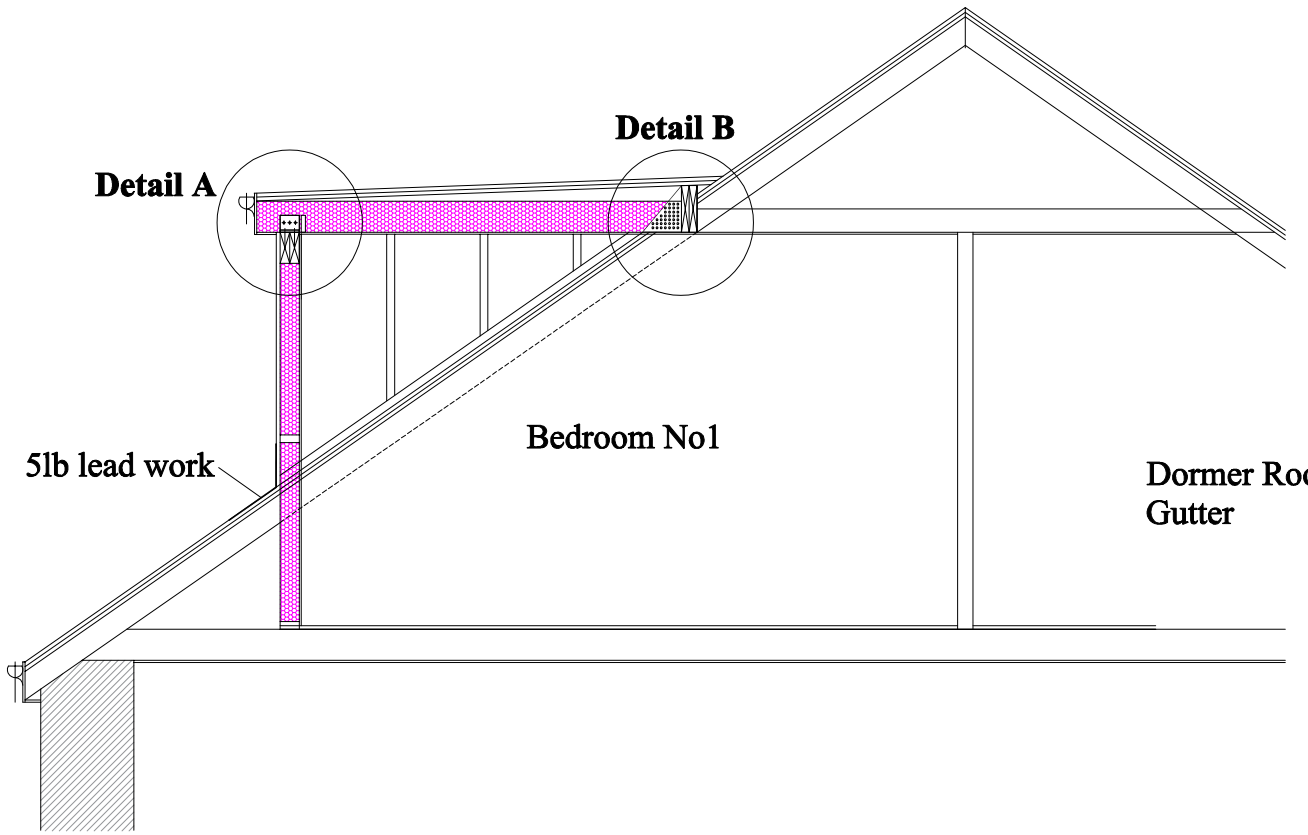
Drawing No : - MP/106 Revisions: -

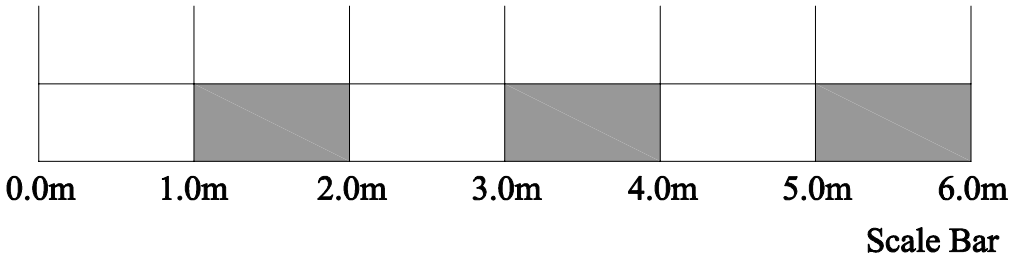
The side dormer walls will be built off the doubled up roof rafters either side of the dormer position. The construction of these triangular walls will be 100 x 50mm C16 grade timbers at 600mm centres. There will be a 100 x 50mm bottom base plate to the triangular wall that will be secured to the top of the doubled up roof rafters using screws at 150mm centres. The outside face of these walls will be slate on roofing felt on 18mm exterior grade plywood on the outside face of the studs. The inside face of the suds will have 12.5mm plasterboard on 500g visqueen dpm on 50mm of kingspan kooltherm on the inside face of the studs. There will be 100mm of kingspan kooltherm placed in between the studs.

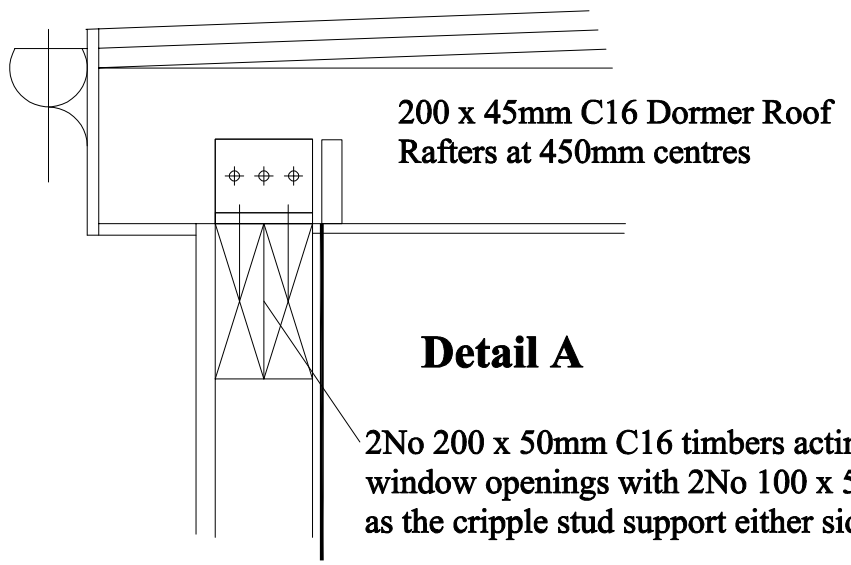


Detail B

The dormer roof construction is to be one layer of roofing felt class 'O' spread of flame on 18mm exterior plywood onto the top of firring pieces to give a run on the roof. The firring pieces will be fixed to the top of the roof rafters. The roof rafters will be secured to the top of the front dormer wall and also to the timber beam in the inside. The underside of the rafters are finished off with 12.5mm plasterboard on 50mm kingspan kooltherm insulation. There will be 150mm of kingspan kooltherm insulation placed in between the dormer roof rafters leaving a 50mm air gap at the to pof the insulation. The roofs will be ventilated by means of a 25mm continuous strip vent at the soffit and a 5mm continuous roof vent at the top of the roof(Or Equivalent)







Detail A

2No 200 x 50mm C16 timbers acting as a timber beam over the window openings with 2No 100 x 50mm grade C16 timbers acting as the cripple stud support either side of the window.

External front wall of the dormer will be 100 x 50mm Grade C16 timbers at 450mm centres with 15mm exterior plywood on the outside face and 12.5mm plasterboard on 50mm kingspan kooltherm on the inside face. There will be 100mm of Kingspan Kooltherm insulation placed in between the timber studs. The outside face will be finished off with natural grey slate on one layer of felt applied to the plywood. Where the existing roof surface meets the front dormer and up the sides of the dormers there will be 5lb lead flashing detail. The min upstand of lead will be 150mm and it will be dressed down over the slate by 300mm.