

Contractor to assess existing wall build up on site. Any discrepancy noted should be reported to the architect.

Existing uninsulated external garage :  
102.5mm facing brick outer leaf, minimum 50mm air cavity with 100mm dense concrete block inner leaf with 102.5mm Kingspan Kooltherm K118 insulated plasterboard, all joints taped and filled.

Proposed family room infill wall construction comprising of 102.5mm facing brick outer leaf, 50mm ventilated air cavity with Protect TF200 breather membrane or equal approved on 9mm OSB3 sheathing fixed to 45x140mm CLS grade C16 timber studs at centres to structural engineer's specification. Stainless steel wall ties at 450mm centres vertically and 600mm horizontally. 1 no. layer 140mm Crown FrameTherm 35 insulation between timber studs, vapour control layer with Celotex PL4025 37.5mm insulated plasterboard to internal finish with all joints taped and filled for decoration.

Existing insulated internal garage wall:  
100mm dense concrete block outer leaf, minimum 50mm air cavity with 100mm dense concrete block inner leaf, 50mm x 50mm timber studs with 50mm Earthwool Acoustic Insulation between, finished with 12.5mm plasterboard, all joints taped and filled.

New family room floor construction to match level of existing house and comprise of 22mm chipboard flooring with joists at 450mm centres on light gauge DPM laid on slab and 120mm Kingspan Thermafloor TF70 Insulation laid on existing concrete slab to achieve a U-Value of 0.14W/m<sup>2</sup>K.

Hermetically sealed Low-E double glazed uPVC windows to achieve U-Value of 1.4W/m<sup>2</sup>K

Windows to comply with the current editions of the following standards:

BS ISO 9002	BS 6206
BBA Resistance to intrusion	BS 8213-4
BS 7950	BS 7722
BS 7413	

Windows, doors and glazing should be designed and installed to resist forced entry where:

located at ground floor level and easily accessible; or where otherwise easily accessible from outside, such as by climbing on building projections.

There are a number of ways in which this can be achieved:

a. by meeting the recommendations for physical security in Section 2 of 'Secured by Design' (ACPO, 2009); or  
b. by use of doorsets and windows which are tested and certified by a notified body as meeting a recognised standard for security; or

c. by use of doorsets and windows manufactured to meet recognised product standards and defined component performance.

Escape windows to have unobstructed opening of 450x450mm and area of at least 0.33m<sup>2</sup>.

Trickle ventilators to be fitted to windows as required providing 10000sq.mm of ventilation.

Vertical DPC's to be insulated polymer type around window openings, or uninsulated polymer in all other cases unless specified otherwise.

Proprietary cavity trays to be installed over new window openings.

New cill height and appearance to match existing





Electrical fixtures must be located 350mm from internal corners, projecting wall and other obstructions.

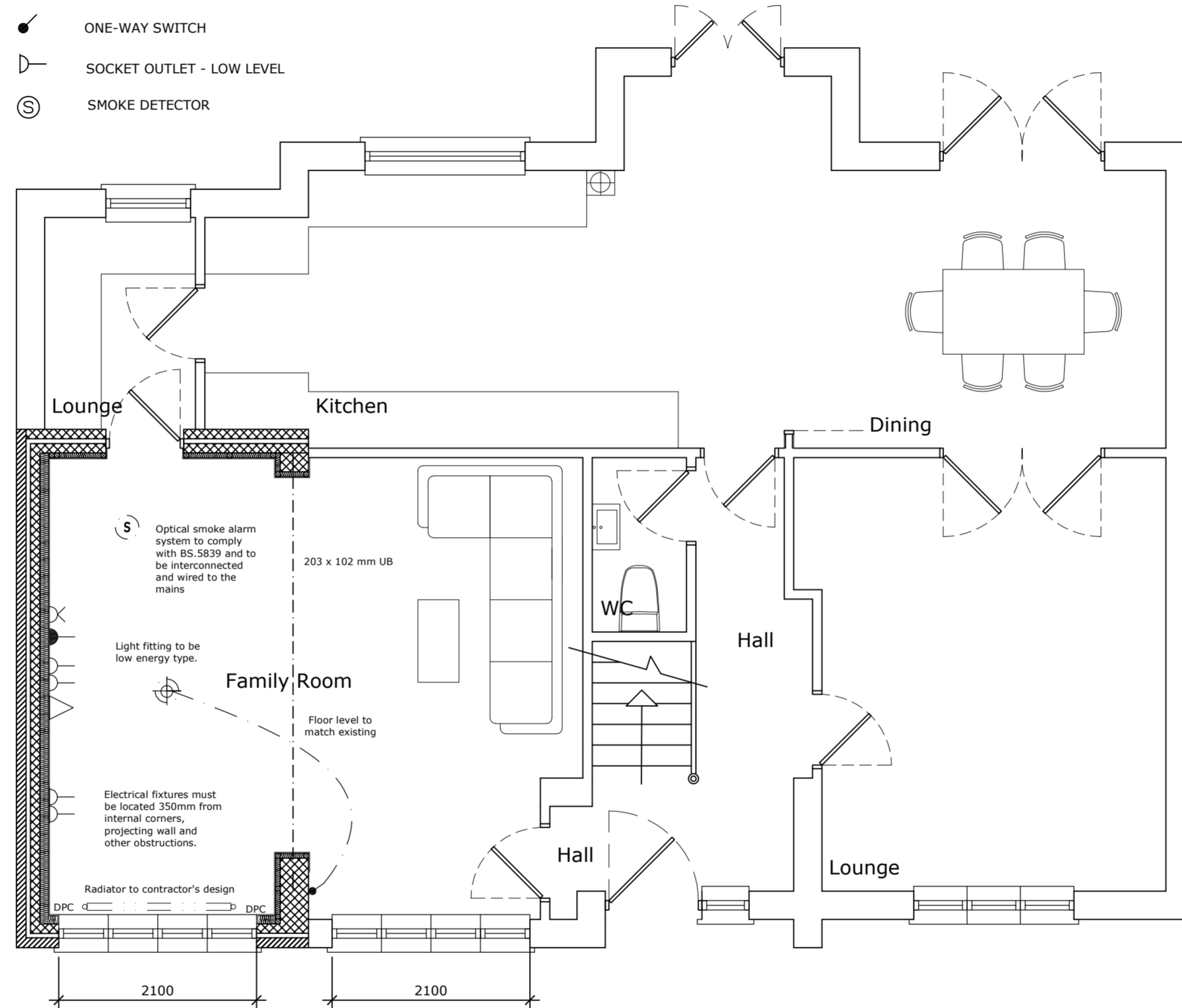
Electrical installations to comply with BS7671 2008

Radiators from the Myson Potterton 'Premier' range or equal and approved.  
Fitted with thermostatic valve, connected into existing heating

Optical smoke alarm system to comply with BS.5839 and to be interconnected and wired to the mains.

#### ELECTRICAL SYMBOLS

-  CEILING LIGHT FITTING
-  ONE-WAY SWITCH
-  SOCKET OUTLET - LOW LEVEL
-  SMOKE DETECTOR



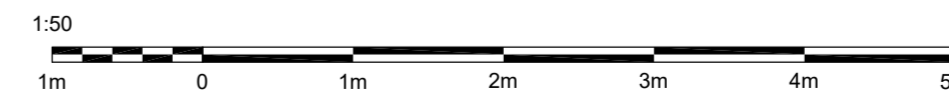
New cill and brick courses to match existing

New brickwork in-fill to match and be stitched into existing coursing

Existing lintel above garage door to remain as existing

New uPVC escape windows to fit existing garage opening with a minimum unobstructed opening of 450mm x 450mm and area of at least 0.33m<sup>2</sup>

## Proposed Ground Floor Plan Scale 1:50



#### NOTES

1. Do NOT scale from this drawing.
2. All dimensions to be confirmed by the Contractor by site measure prior to work commencing, or fabrication or ordering of any components.
3. In the case of any discrepancy, always refer to the Architect.

Client  
Mr A. Brogan

Project  
Garage Conversion  
14 Strathyre Gardens  
East Kilbride

Title  
Proposed Ground Floor  
Plan

job no	drg size
T1.08	A2

drg no	rev
L(20) 01	-

date	by	scale
April 21	KM	1:50

Autocad Reference



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