



**COOPER
ARCHITECTURAL
DESIGN**

90 WINSOVER ROAD SPALDING LINCS PE11 1HA
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**39 MILL LANE
WHAPLODE
LINCS
PE12 6TS**

FLOOD RISK ASSESSMENT

The site is situated in zone 3 on the Environment Agency Flood mapping and the Low/Medium probability zone of the 2017 South Holland Strategic Flood Risk Assessment. The proposed is for the construction of a single storey extension at the rear of an existing dwelling.

The subject building is a single storey extension at the rear of an existing dwelling. and there will be no sleeping accommodation at ground floor level.

The construction of the Extension will use traditional techniques consistent with the architectural style of the original property, the walls will be Rendered with a blockwork cavity. The Flat Roof will have a Fibreglass resin finish.

The proposal will not contribute to any increased flood risk in the area as the roof area will be identical to the area of the existing concrete patio area.

The following measures would be incorporated into the final design to provide flood resilience.

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Any insulation to the floor slab will be expanded urethane closed cell insulation which will be less affected by water if a flooding event ever occurred.

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Any insulation to the external walls will be expanded urethane closed cell insulation which will be less affected by water if a flooding event ever occurred.

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The external door will be coloured anodised aluminium.

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Any service entries through the slab or walls are to be properly sealed using spray foam.

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All electrical sockets will be positioned at a level of 1.2m above f.f.l. to remove potential ingress points.