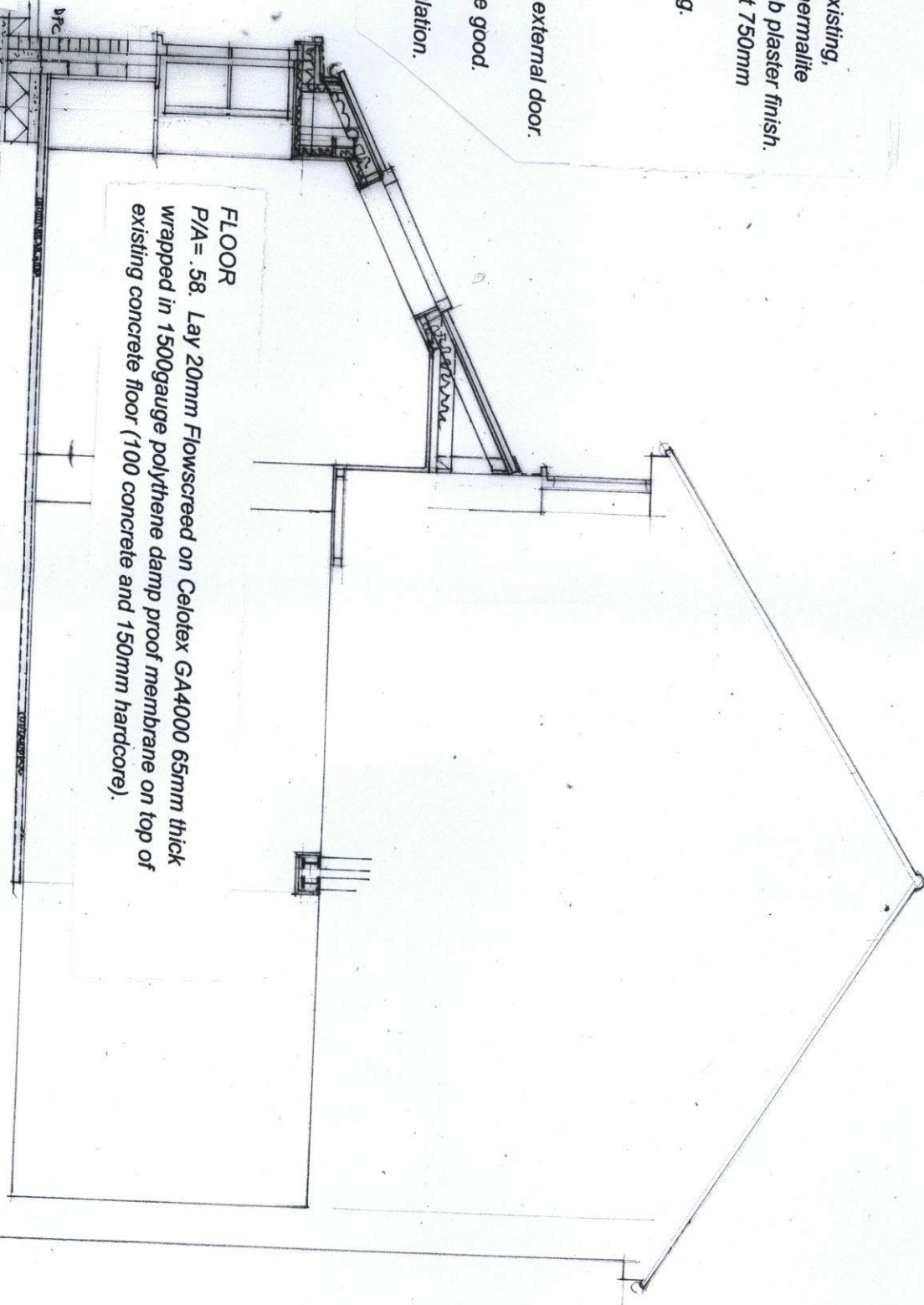


ROOF

Remove existing purlin and make good walls. Build in 2No/ C16 150x50 rafters and trimmers at sides of rooflight opening and fit Velux conservation rooflight all in accordance with manufacturer's instructions. Build in 100x50 sw struts at high level and galvanised steel shoes fixed to wall. Fit Celotex XR4000 120mm thick between rafters and 1200gauge vapour barrier, Celotex PL4000 40mm thick and 12.5mm plasterboard skinned underside.
At flat roof lay lead coloured Samafill or similar flashed behind fascia on top of 16mm external quality plywood on firings on C16 100x50 joists suspended on 50x50 sw hangers. Extend Celotex insulation and fit underside as above.

WALLS

Build up cavity walls from brick outer leaf to closely match existing, 100mm cavity filled with Rockwool wall batts and 100mm Thermalite Turbo or similar thermal blockwork internally with dot and dab plaster finish. Fit Catric stainless steel wall ties type BB-3 to cavity walls at 750mm centres horizontally and 450mm centres vertically.
New brick and block walls to be toothed and keyed to existing. Ensure cavities are continuous at meetings of old and new walls, or fit vertical dpccs. Fit white double glazed pvc windows. All new glazing to have low e coating. Provide 8000mm² trickle ventilation to each new window and external door.
Build in steel beams and remove internal cavity wall and make good. Encase beams in 12.5mm plasterboard skimmed. Existing walls already have cavities filled with blown fibre insulation. Fix dot and dab 12.5mm plasterboard and skim.



FLOOR
P/A = .58. Lay 20mm Flowscreed on Celotex GA4000 65mm thick wrapped in 1500gauge polythene damp proof membrane on top of existing concrete floor (100 concrete and 150mm hardcore).

SECTION B-B

FOUNDATIONS AND FOOTINGS

Excavate trench to underside and expose existing raft. Lay 300 x 700 concrete raft extension with 16mm steel starter bars at 300mm centres drilled 300mm and pointed into existing raft, bent and wired to 16mm reinforcement at top and bottom allowing 50mm covers.
Build up overall 300 thick common brick outer leaf and Thermalite Turbo inner leaf, with facing bricks where exposed and lay dpccs and connect to floor membrane. Fill cavity with mortar to ground level.

PROPOSED ALTERATIONS TO PROPERTY AT 27 BROADLANDS CLEADON

PLANS AS PROPOSED

1:50

ST0099 / 15 HFUL
SOUTH TYNESIDE COUNCIL
- 5 FEB 2015
AREA PLANNING