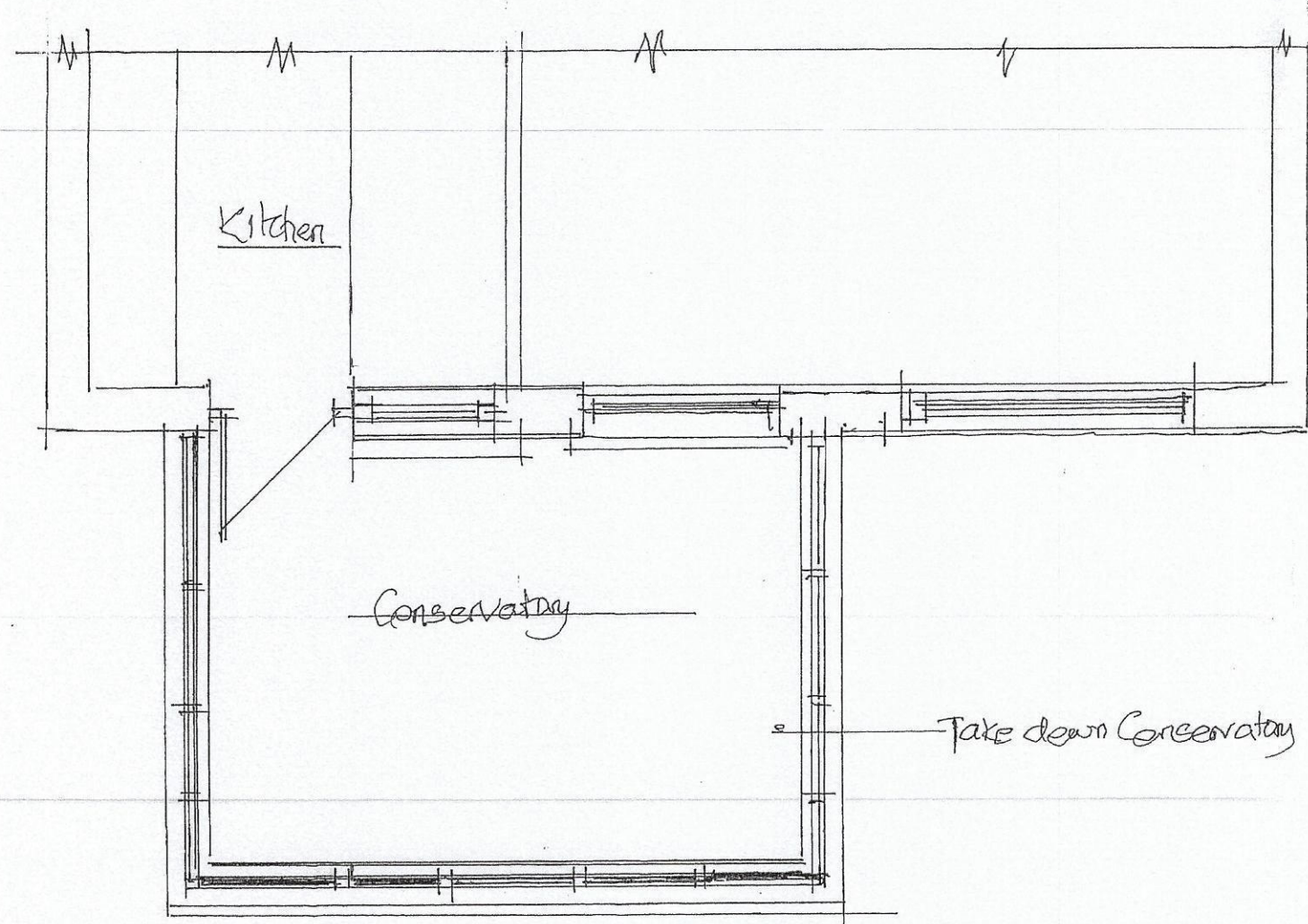
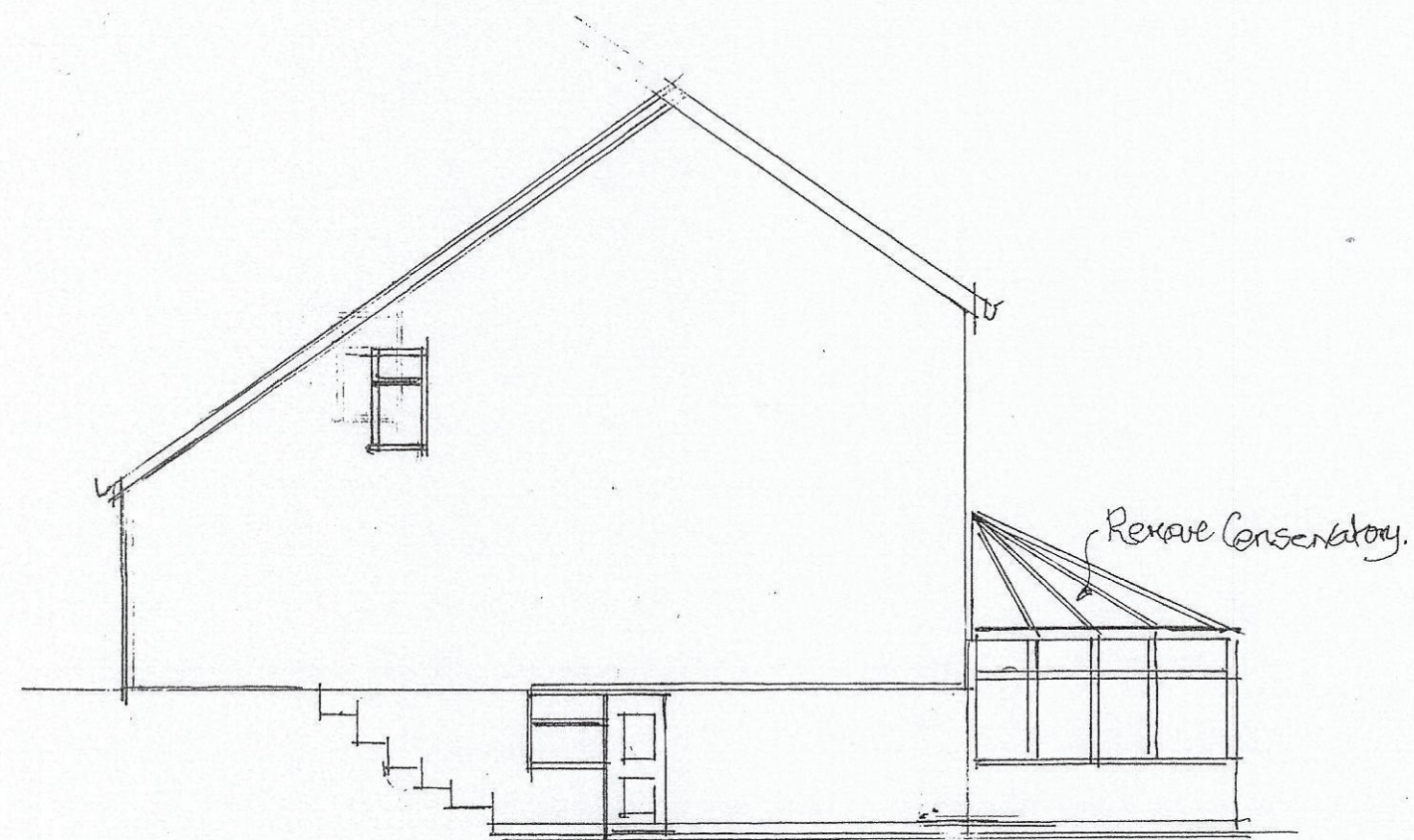
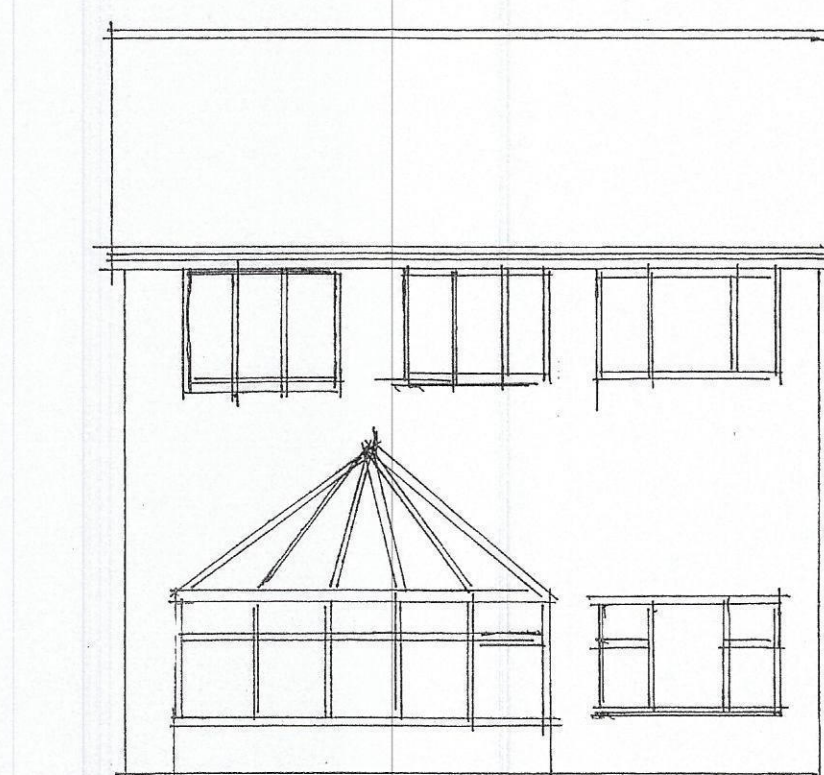




Existing Floor Plan (1:50)



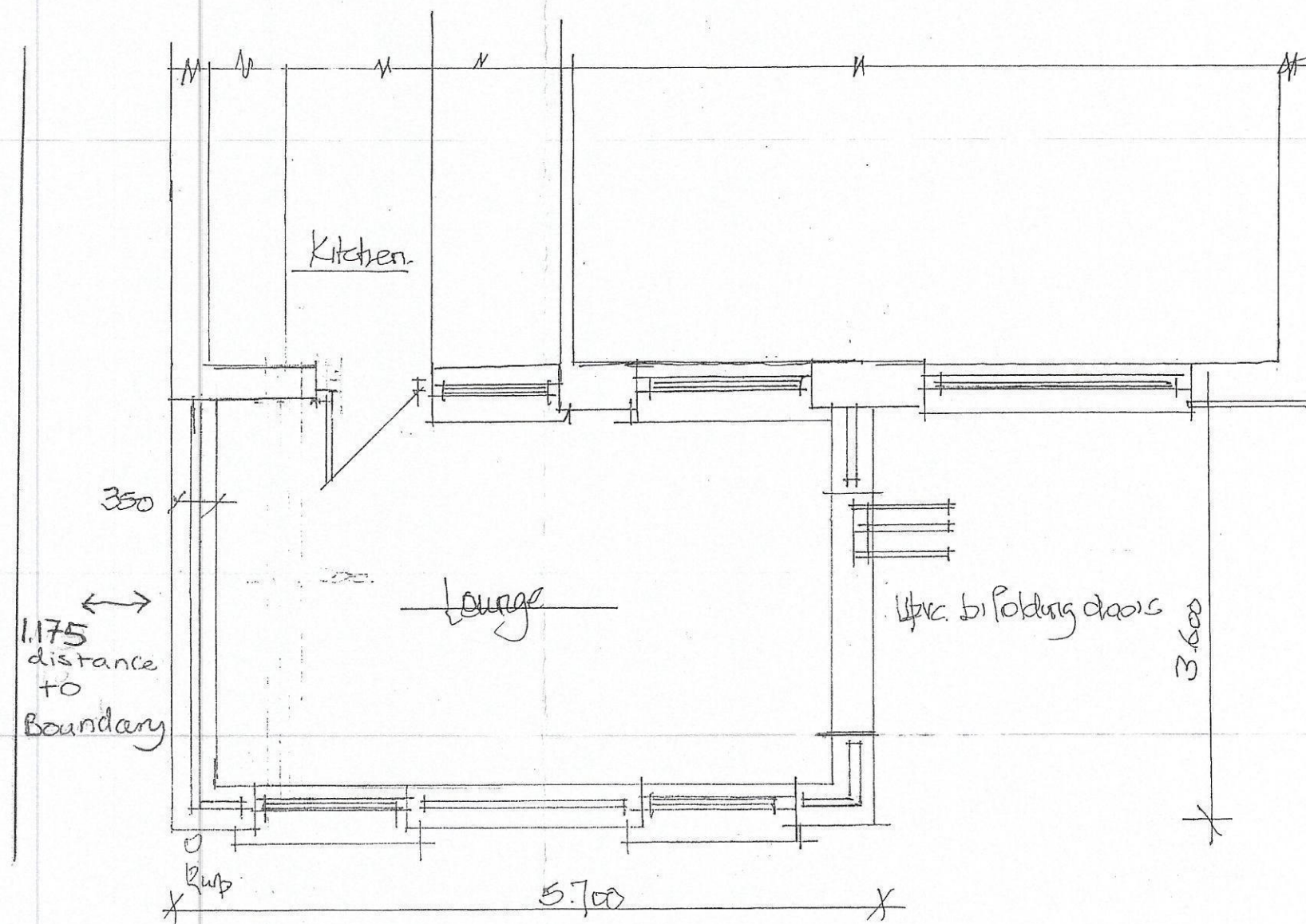
Existing Side Elevation (1:100)



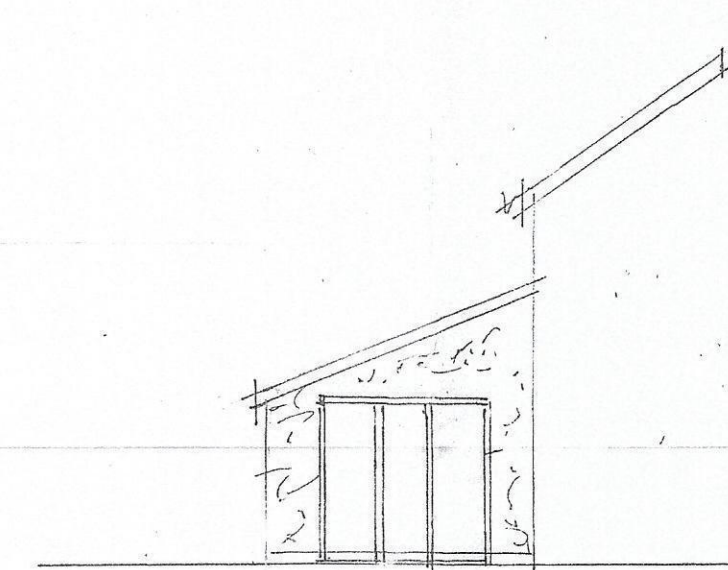
Existing Rear Elevation (1:100)



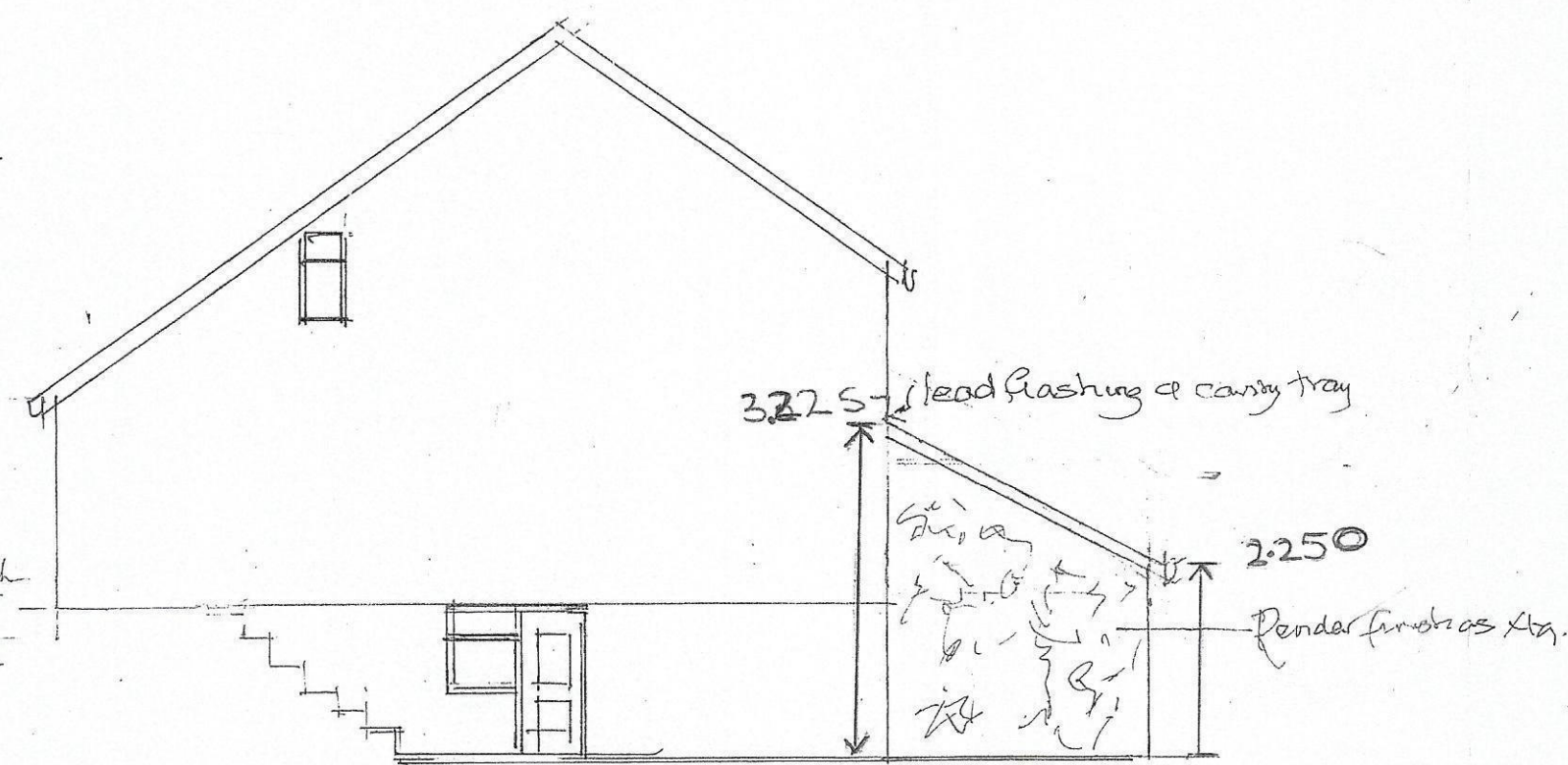
Proposed Rear Elevation



Proposed Ground Floor Plan (1:50)



Proposed Side Elevation



Proposed Side Elevation (1:100)

Substructure

600 x 300 mm thick concrete foundations min 150 mm deep depending on ground conditions. Lap joints foundations to extend below 1 m below level of existing ground. 350 mm thick external cavity wall above DPC level comprising 2 No skins of 100 mm thick blockwork & 150 mm wide cavity partially filled with 100 mm thick Kingspan cavity foam down wide horizontal DPC.

Floor Construction

50 mm thick floor screed on 100 mm thick concrete over on 200 gauge black steel on 125 mm thick floor insulation a further layer of 1200 gauge DPM on minimum of 150 mm well consolidated & thinned banked 25 mm wide strip of insulation to perimeter external walls.

External Walls

350 mm wide cavity walls comprising 2 No skins of concrete block walls 100 mm thick & render finish externally to match existing. Plaster finish internally. Close centres at vertical reveals & insert 150 mm wide insulated DPC. Cavity to end new wall to existing & keep cavity continuous. 140 mm DPC over opening & 150 mm end bearing. Spacing steel wall ties min 500 mm for 1/2.

Roof

Concrete rafting ties to match existing on 50 x 25 mm timbered battens & 125 mm structural steel joists @ 400 mm centre butt jointed over 100 x 50 mm joists/wall plate battens on 1/3. Use fascia, soffits & barge boards 110 mm double gullies 60 mm dia pre-drilled pipes galvanised steel lateral restraint strap @ 1.8 m centre. Lead flashing & cavity tray at abutment of roof to external walls.

DWG. No	24.009.1	
<u>Proposed Rear Single</u>		
<u>Storey Extension</u>		
For: Mr & Mrs A. THOMAS		
<u>19, PENSYNOR</u>		
<u>CLIFREY</u>		
<u>NEATH</u>		
Scale	Date	Drawn
As Shown	August 2020	