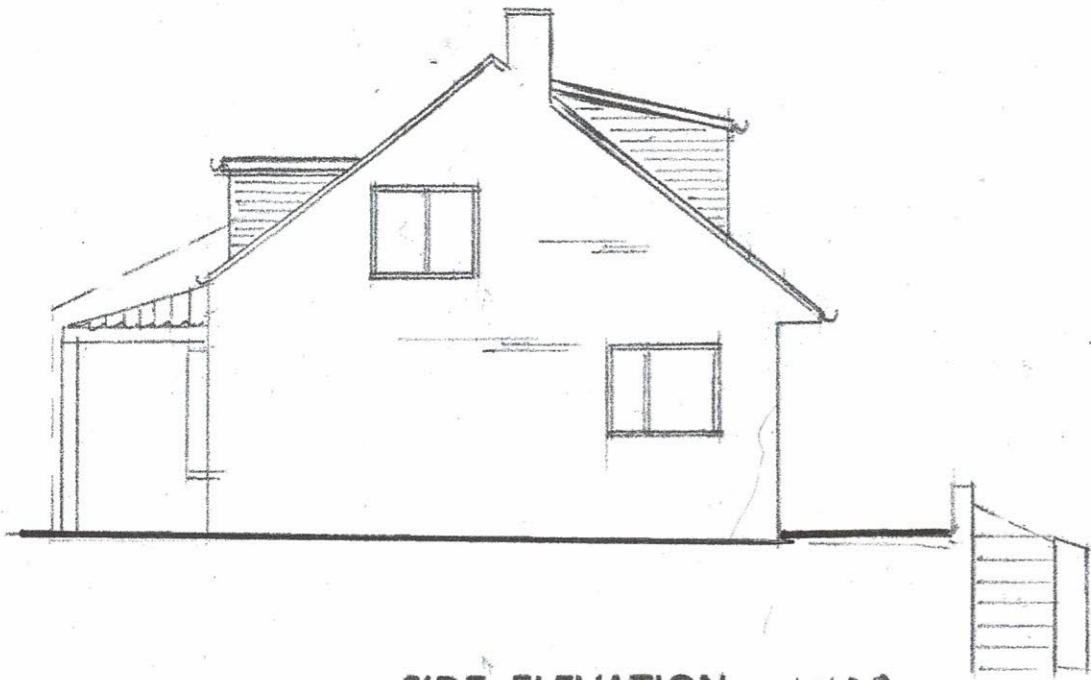
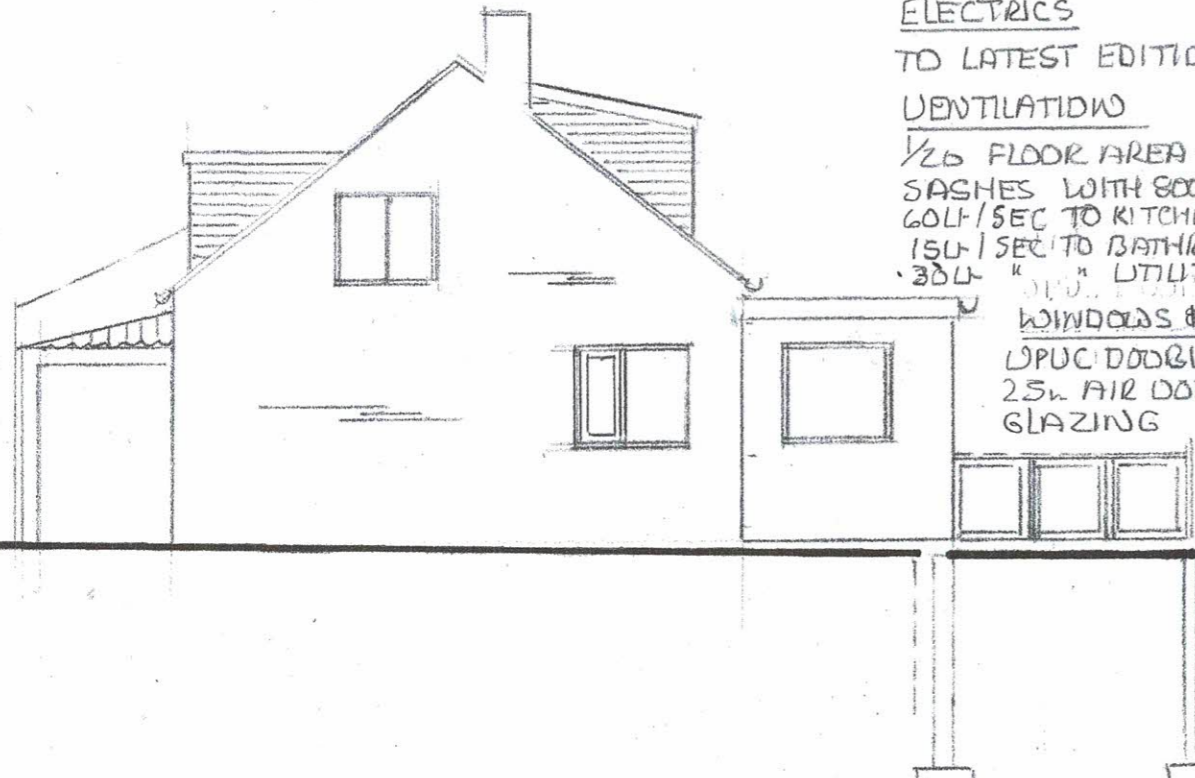


**EXISTING**



**SIDE ELEVATION 1:100**

**PROPOSED**



**SIDE ELEVATION 1:100**

DRAINAGE INTERNAL  
38mm WASTE PIPES WITH DEEP SEAL TRAPS

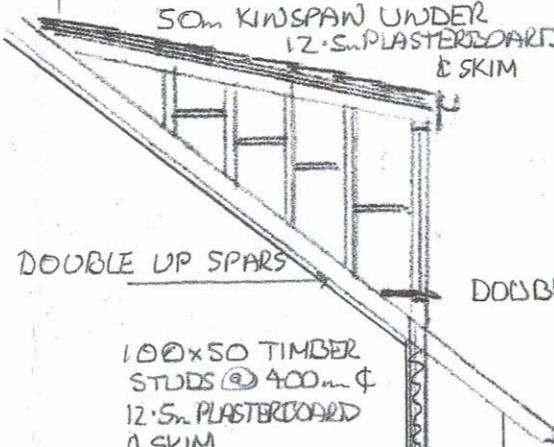
ELECTRICS  
TO LATEST EDITION

VENTILATION  
1/26 FLOOR AREA OPENABLE SASHES WITH GOOD TRUCKE VENTS  
60L/SEC TO KITCHEN  
150L/SEC TO BATHROOMS  
30L " " UTILITY ROOM

WINDOWS & DOORS  
UPVC DOUBLE GLAZED  
25mm AIR VOID BETWEEN GLAZING

SAFETY GLASS IN CRITICAL LOCATIONS TO BS 6206 1981

ROOF  
TILES TO MATCH EXISTING  
38x18mm TILE BATTENS  
SLATERS FELT  
100mm KINGSPAN  
100x50 SPARS @ 400mm c/c  
50mm KINGSPAN UNDER  
12.5mm PLASTERBOARD & SKIM



CALCULATIONS FOR BEAM BY STRUCTURAL ENGINEER

EXTENSION

WALLS

102mm FACE BRICK TO MATCH EXISTING  
50mm CAVITY CONTINUOUS WITH EXISTING  
5 NO CAVITY WALLTIES /m<sup>2</sup>  
50mm KINGSPAN INSULATION  
100mm CONCRETE BLOCK  
12.5mm DOT & DAB PLASTERBOARD & SKIME

FLOOR

70mm CONCRETE SCREED  
100mm INSULATION  
BLOCK & BEAM JOISTS

BALCONY

40mm DECKING BOARDS  
150x50 JOISTS @ 400mm c/c  
100x100mm FRAME DESIGNED BY ENGINEER  
ON CONCRETE PADS

DRAINAGE EXTERNAL

100mm PVC DRAINS TO EXISTING SYSTEM  
PLASTIC INSPECTION CHAMBERS  
100mm PVC GUTTER  
70mm PVC FALLPIPES

**SECTION THROUGH**

**@ 1:50**

DORMER WINDOWS

EXTEND DORMERS TO GABLE ENDS  
100x50 FRAMES  
100mm KINGSPAN BETWEEN STUDS  
12.5mm FOILBACK PLASTERBOARD & SKIM  
EXTERNAL PLYWOOD 18mm THICK  
FELT & LATH  
EXTERNAL BOARDS TO MATCH EXISTING

EXTENSION ROOF

FIBRE GLASS COVERING  
18mm PLYWOOD  
125mm KINGSPAN INSULATION  
PLYWOOD DECKING BOARD  
150x50 JOISTS @ 400mm c/c  
12.5mm FOILBACK PLASTERBOARD & SKIM

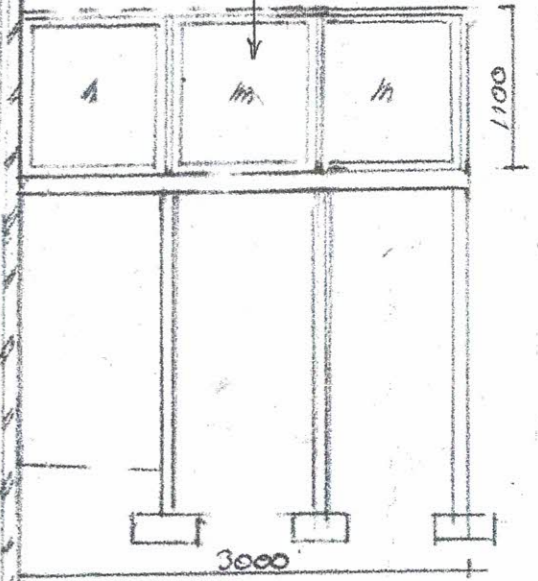
SAFETY GLAZING GUARDING

DOUBLE GLAZED LANTERN



EX RETAINING WALL

NEW RETAINING WALL AND FOUNDATIONS DESIGNED BY ENGINEER



TITLE : ALTERATION & EXTENSION TO REAR ELEVATION  
SITE : 9 RIDGE LANE, BRIGGSWATH  
CLIENT: MR & MRS ANDREOLI  
DATE : MAY 2022 REF : ERM/VA/001  
SCALE: 1:100 & 1:50 @ A3