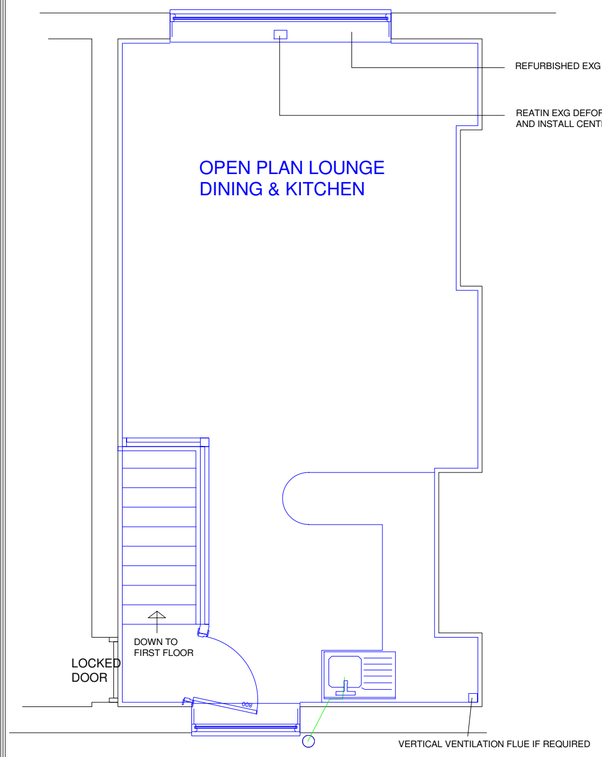
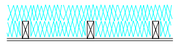
PROPOSED SECOND FLOOR PLAN

NOTE THAT THE FLOOR JOIST LAYOUT WILL NOT BE ALTERED.
THIS IS A LISTED BUILDING AND CANNOT BE DISTURBED EXCEPT FOR STUDYING THE STRUCTURE.
MODEST REPAIRS WILL BE ALLOWED SUBJECT TO THE ASSOCIATED STATEMENTS AND DETAILS.



LOFT INSULATION OVER CEILING

INSULATION BETWEEN & OVER CEILING JOISTS
USE EARTHWOOL OR ROCKWOOL ROLL
100mm BETWEEN AND 170mm OVER.



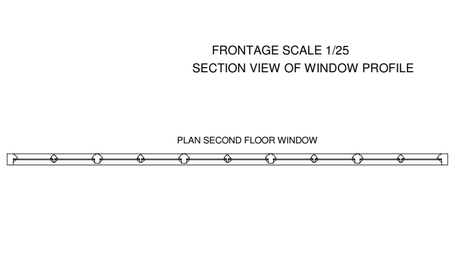
INNER & OUTER SURFACES	= 0.18
INSULATION 0.27/0.044	= 6.14
PLASTER BOARD CLG 0.013/0.16	= 0.08
'U' VALUE = 0.156 W/sqmK	= 6.40

'U' VALUE ALLOWABLE = 0.16W/sqmK

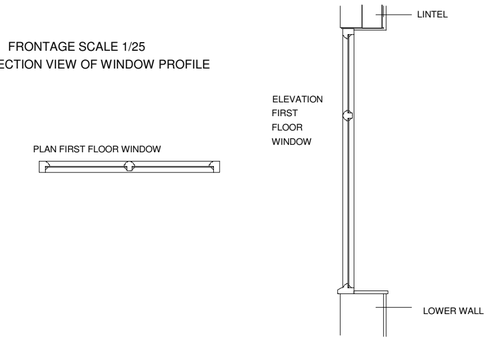
EXISTING ROOF TREATMENT

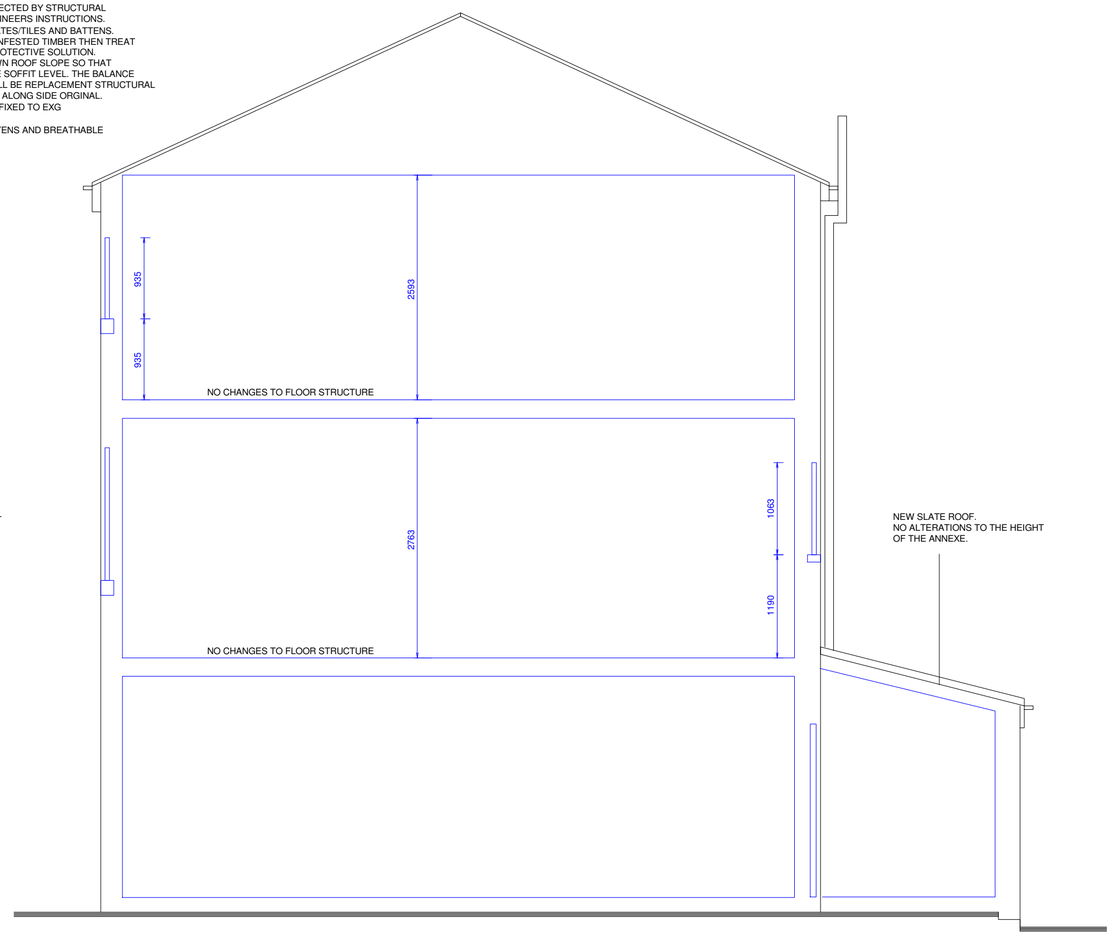
THE ROOF TO BE FULLY INSPECTED BY STRUCTURAL ENGINEER AND FOLLOW ENGINEERS INSTRUCTIONS.
CAREFULLY REMOVE ALL SLATES/TILES AND BATTENS.
CUT AWAY OLD ROTTEN OR INFESTED TIMBER THEN TREAT WITH PRESERVATIVE AND PROTECTIVE SOLUTION.
RE-FIT RAFTERS LOWER DOWN ROOF SLOPE SO THAT GOOD TIMBER EXISTS AT THE SOFFIT LEVEL. THE BALANCE THE BALANCE OF RAFTER WILL BE REPLACEMENT STRUCTURAL GRADE TIMBER (C16) PLACED ALONG SIDE ORGINAL.
THE ADDED TIMBER WILL BE FIXED TO EXG RAFTERS AND SUPPORTS
RE-FIT ALL ROOF TILES, BATTENS AND BREATHABLE UNDER TILE MEMBRANE.

FRONTAGE SCALE 1/25
SECTION VIEW OF WINDOW PROFILE



FRONTAGE SCALE 1/25
SECTION VIEW OF WINDOW PROFILE





BASIC SECTION DETAIL

KEITH SWAIN DESIGN
KEITH SWAIN 01744 885131 07980 555415
swain.keith@sky.com

DRAWING NUMBER	P 13162

PROPOSED DEVELOPMENT

REFURBISHMENT OF LISTED BUILDING

AT

31 LIVERPOOL ROAD
MANCHESTER

SCALES	1 : 50	sht 5