

ROOF LIGHTS on pitch roof
Rooflights to be double glazed + to meet 'U' value of min. 2.0 W/m sq.K.
All roof lights to be A-A fire rated.

Double up rafters on the side of opening, supporting double trimmers above & below opening. Bolt together with M12 bolts at 450 c/s.
Must be 450mm minimum clear opening with non opening fasteners.

Slim line frame for pitched roof.
Reset within roof tiles.
Can be fixed to roof pitch as low as 12 deg. & as high as 90 deg.

Loft Volume calculations:

Dormer Volume 1:
Length of dormer=3m
Height of dormer=1.6m
Projection of dormer=4m

Volume of Dormer 1
= $(3 \times 1.6 \times 4) / 2$
=9.6 cu.m.

Dormer Volume 2:
Length of dormer=3m
Height of dormer=1.6m
Projection of dormer=4m

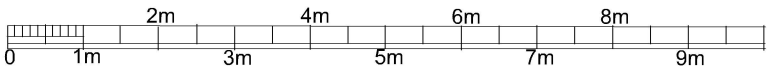
Volume of Dormer 1
= $(3 \times 1.6 \times 4) / 2$
=9.6 cu.m.

Dormer Volume 3:
Length of dormer=6m
Height of dormer=2m
Projection of dormer=5m

Volume of Dormer 3
= $(6 \times 2 \times 5) / 2$
=30 cu.m.

TOTAL VOLUME
=9.6+9.6+30
=**49.2 cu.m.** > 50 cu.m

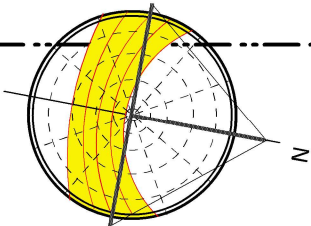
12 **PROP ROOF PLAN**
Scale: 1:100



scale - 1 : 100 @ A3

Purpose - permitted development application

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	DWG NO: PROP ROOF 12	REVISION:



PROPOSED