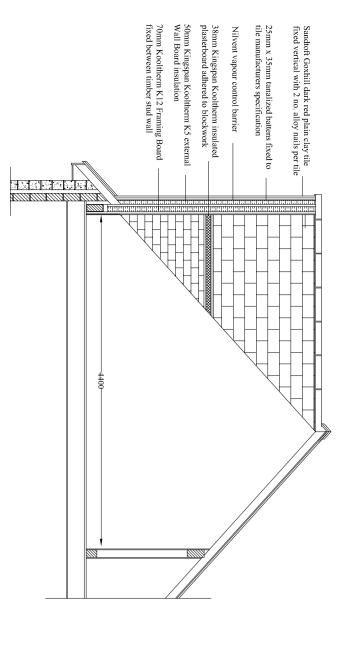
## DETAIL OF MATERIAL USED IN BUILD-UP OF DORMER WALLS ("U" value of external walls to achieve $0.18 \mathrm{W/m2K}$ )



Closed boarded frame to dormer cheeks constructed of 100mm x 50mm timber studs at 350mm centres supported off new 225mm x 100mm timber binder

Closed timber stud wall with studs set at 350mm centres with diagonal bracing and faced with sheathing ply

SCHOOL STATE

Existing roof joists of flat roof are to be inspected as to their size and condition

Existing 200mm x 63mm floor joists

-1500-

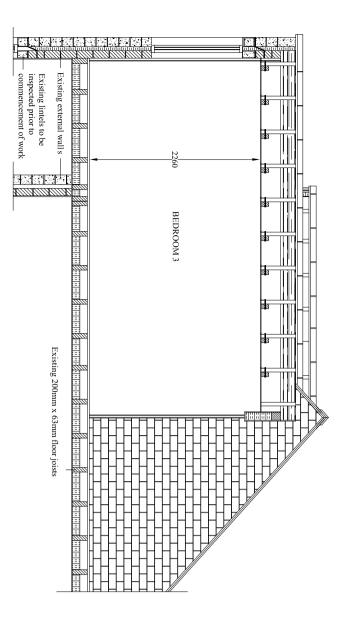
New 200mm x 75mm timber ridgeboard secured to timber rafters and supported off 225mm x 100mm timber binder

Side cheeks to dormer built off double sized roof rafters supported off existing

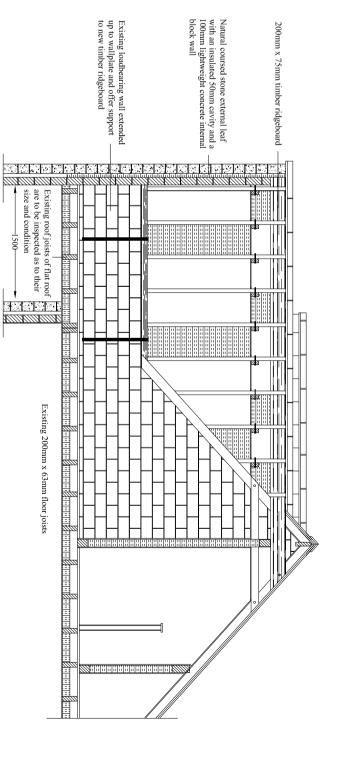
100mm x 50mm ceiling joists

Timber wallplate level

## DETAILS OF EXTERNAL WALL CONSTRUCTION TO EXTENSION



# INTERNAL DETAILS OF CONSTRUCTION COMPONENTS TO EXTENSION



#### SCALE 1:50

#### DRAWING NO. 11

# CONSTRUCTION AND INSULATION DETAILS TO DORMER ROOF

### ( "U" to achieve 0.16W/m2K)