

## FOUNDATION & SUB FRAME DETAILS

## FOUNDATION & SUB-FRAME NOTES

## Loading onto foundation pads: (See Loading Data for Sub Frame Calc) Floor Loads (Live) 3.0kN/m2 (from BS 6399-1:1996/ Table 1/ Category C1/ Classrooms)

Floor Loads (Dead) 0.45kN/m2 (Self weight of SIPS panels)

Swift Foundations pads capable of bearing 2.5 tonnes (24.5 kN) - refer to LABC type approval. Area of base is 0.36m2

Assumed worst case ground bearing capacity 75 kN/m2 (from BS 8004:1986 - 'firm clays')

Therefore the maximum allowable loading onto an individual pad for this soil type is 75 kN \* 0.36 m2 = 27.00 kN, but limiting factor is capacity of Swift Pads at 24.5kN

Maximum loadings conditions of pads shown opposite - all less than 24.5kN.

Foundation pads at the centres shown are therefore adequate for the assumed soil type - to be established by trial hole. Obtain instructions if conditions vary.

Sub Frame sizing: EDGE A - 2 no. 50 x 150 C24 EDGE B - 2 no. 50 x 120 C24 INTERMEDIATE - 2 no. 50 x 150 C24

Joists bolted with M12 bolts at 600mm centres.

Building Control - refer to HDA Calculations for justification.



