

WARM FLAT ROOF

(imposed load max 1.0 kN/m² - dead load max 0.75 kN/m²)

To achieve U value 0.18 W/m²K

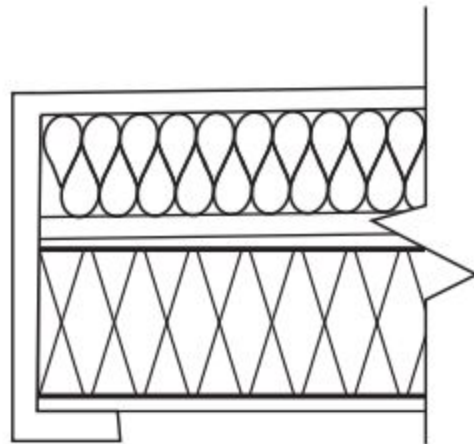
12.5mm spa solar reflective chippings to achieve aa designated fire rating for surface spread of flame bedded in bitumen on three layer felt to BS 747 laid to CP144 on 22mm external quality ply over 125mm Celotex TA4000.

Insulation bonded to 22mm exterior grade plywood on firrings to give 1:60 fall on 47 x 195mm C24 timber joists at 400 ctrs max span 4.55m. Ceilings of 12.5mm plasterboard over vapour barrier with skim plaster finish.

Provide restraint to flat roof by fixing of 30 x 5 x 1000mm ms galvanised lateral restraint straps at maximum 2000mm centres fixed to 100 x 50mm wall plates and anchored to wall.

REFUSE

PROPOSED ROOF SECTION

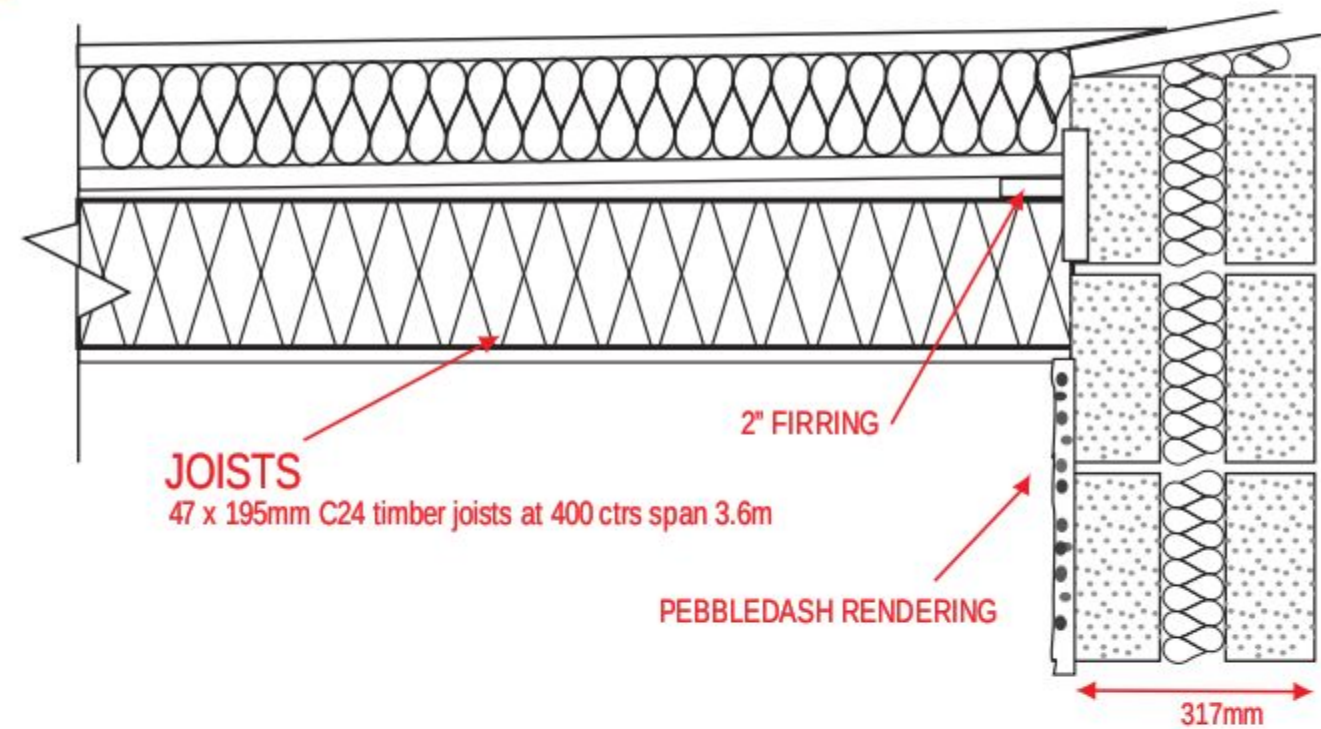


CONTINUE OUT WITH FALL OF MIN 1:50
& REFELT TOTAL FLAT AREA COVERAGE

EXISTING ROOF SECTION

FALL OF MIN 1:50

CAVITY INSULATED EXTERIOR WALL



JOISTS

47 x 195mm C24 timber joists at 400 ctrs span 3.6m

2" FIRRING

PEBBLEDASH RENDERING

317mm

DRAWINGS TO SCALE 1:10

10-09-2011

JOHN HOLLINGSWORTH
Drawings of Sinapi Ltd