

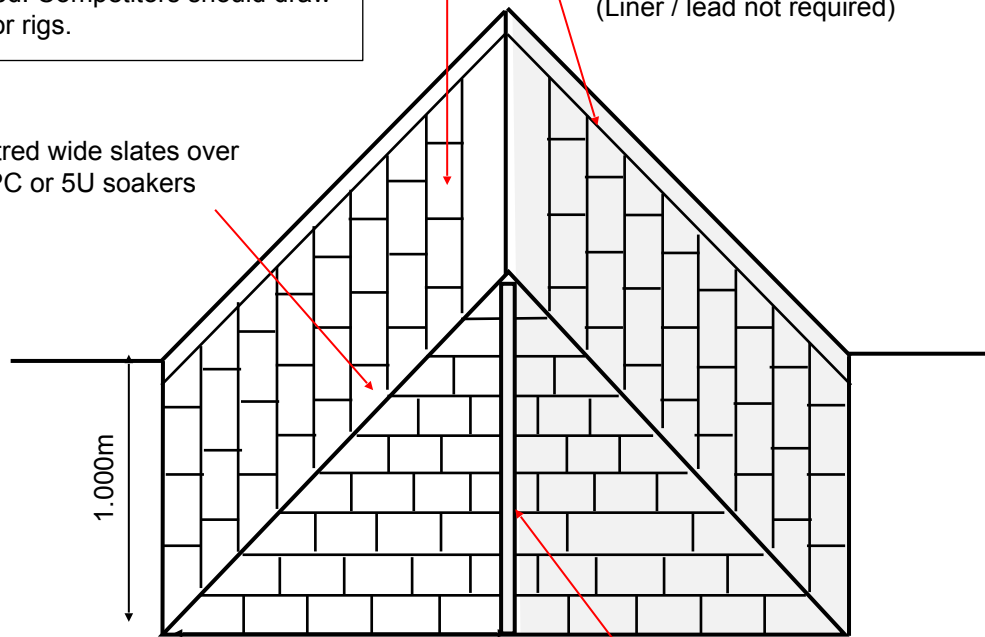
# Roof Slating and Tiling 2018 Heats Drawing and Specification – Natural Slates: Mitred Hip and Cut Valley

**Note:** Either/both sides of the rig may be used and raking battens may be used to simulate a valley where necessary. Rigs should be labelled by letter only with names omitted. Competitors should draw lots for rigs.

8 full courses of slates to be installed – Adjustments to ridge and toppers not required

Slates cut to line with a minimum tail width 25mm (Liner / lead not required)

Mitred wide slates over DPC or 5U soakers



Where stop boards are used no soakers are required

Roof pitch 35 - 45 degrees

Rafter length no less than 1.5m

NB. Drawing for visualisation only – not representative of details / set-out

## Instructions

Install 5U felt, underlay, 50mm x 25mm timber battens (valley liner not required)

Install Natural Slates and Slate-and-a-halves to the areas indicated. It is not necessary to reach the ridge / apex.

All slate cutting must be done using hand tools only.

Measure, cut and install fish-tale soakers to maintain headlaps. Felt, DPC or similar may be used as a substitute for code 3 lead.

## Fixing Specification

Slates will arrive pre-holed to allow more time to complete the slating work and must be twice nailed with copper clout nails (10mm head size)

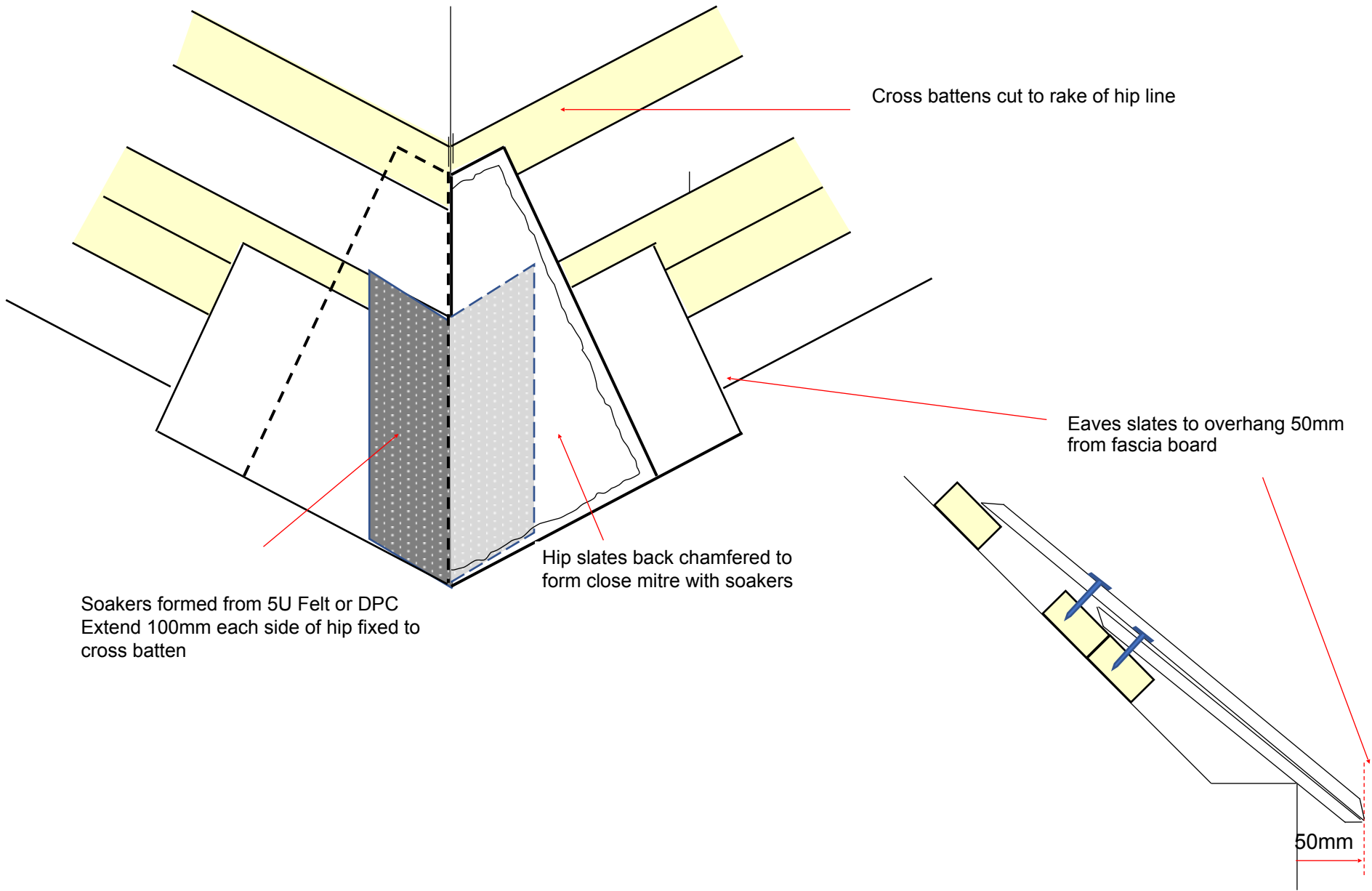
5u felt to give a 50mm overhang to eaves, with roof underlay laid to a slight sag and securely fixed with clout nails (not staples), Felt to be lapped 150mm horizontally and finished parallel to one side of the hip with a 150mm overlap.

Soakers to extend 100mm each side of hip and fitted to maintain laps, lower edges set back 3 – 6mm

**Time allowed: 6 hours**

NB: Centres should use stop boards, valley battens, lines etc to keep within these dimensions to ensure consistency across the heats. Where this is not possible, any adjustments should be agreed with the SkillBuild appointed judge and/or NFRC before the heat is confirmed

## Hip Detail



Cross battens cut to rake of hip line

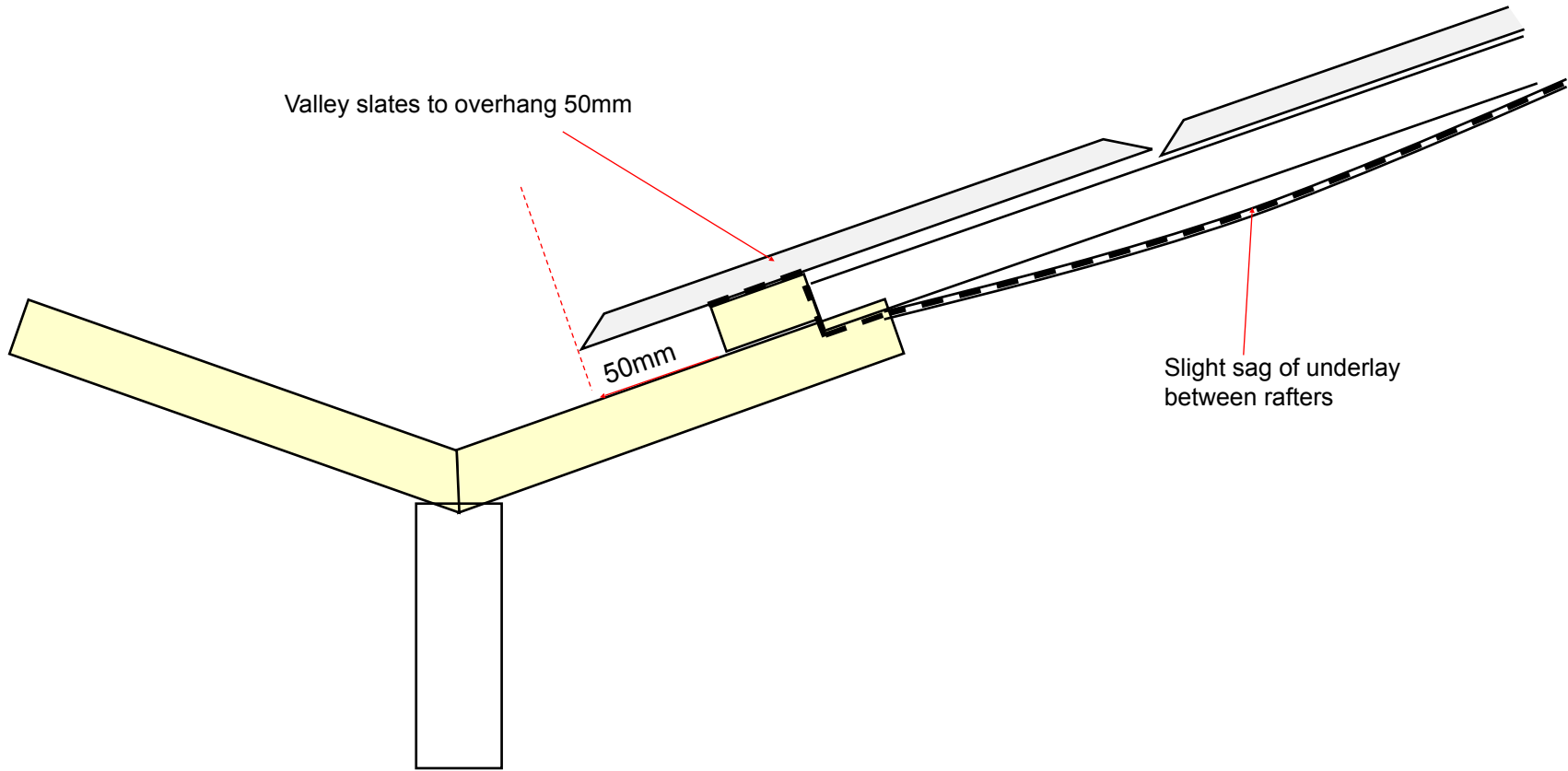
Eaves slates to overhang 50mm from fascia board

Hip slates back chamfered to form close mitre with soakers

Soakers formed from 5U Felt or DPC  
Extend 100mm each side of hip fixed to cross batten

50mm

# Valley Detail



Valley slates to overhang 50mm

50mm

Slight sag of underlay  
between rafters