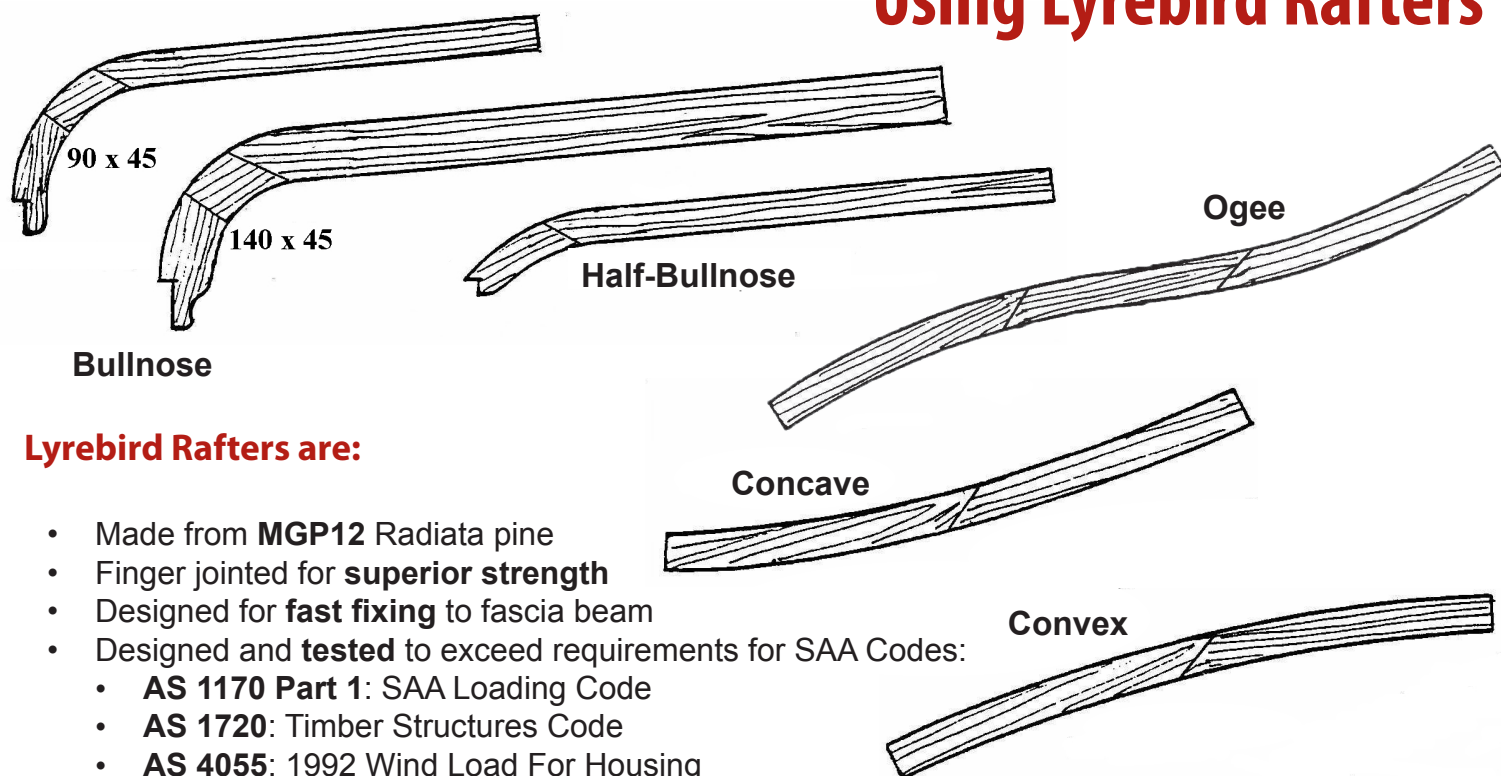


How To Build A Bullnose Verandah



Using Lyrebird Rafters



Lyrebird Rafters are:

- Made from **MGP12** Radiata pine
- Finger jointed for **superior strength**
- Designed for **fast fixing** to fascia beam
- Designed and **tested** to exceed requirements for SAA Codes:
 - **AS 1170 Part 1:** SAA Loading Code
 - **AS 1720:** Timber Structures Code
 - **AS 4055:** 1992 Wind Load For Housing

IMPORTANT INFORMATION

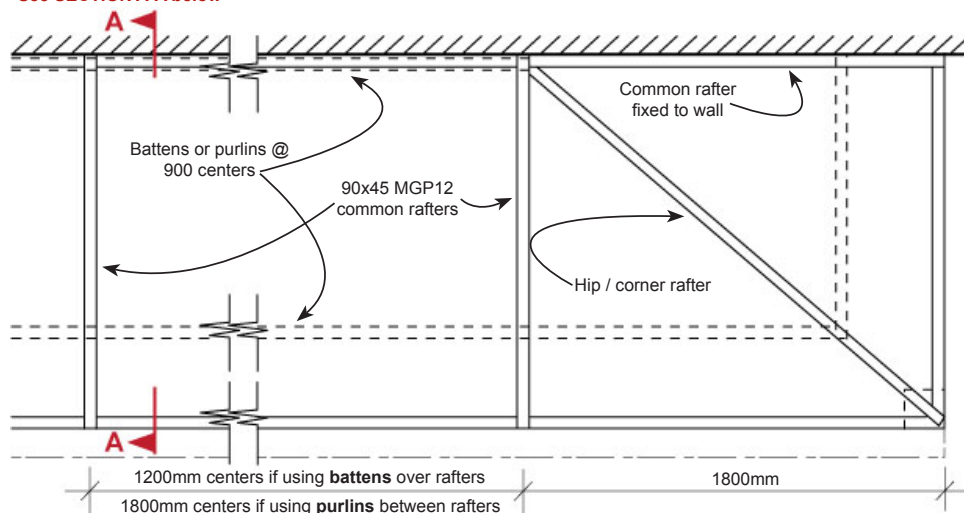
1. Lyrebird Rafters have been tested for strength. The instructions contained in this brochure apply to Lyrebird rafters only and are not suitable for other rafters.
2. These instructions are based on the following assumptions:
 - You have building skills
 - The verandah floor or its foundations are in place
 - You have a set of completed plans and/or drawings with specified verandah dimensions and a rafter plan. (We can assist you in setting up a rafter plan if you don't already have one)
3. Although the diagrams following show Bullnose rafters, the same principles of construction apply to Concave, Convex and Half-bullnose roofs.

Rafter Plans

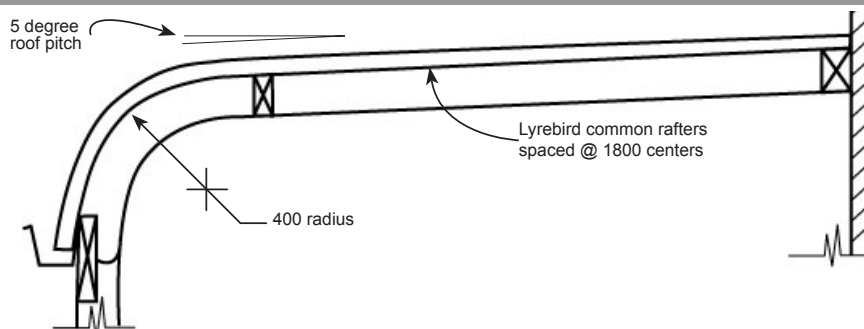
Stage 1

SUGGESTED CONSTRUCTION DETAIL FOR A BULLNOSE TYPE ROOF FOR 1800 WIDTH VERANDAH, USING LYREBIRD RAFTERS

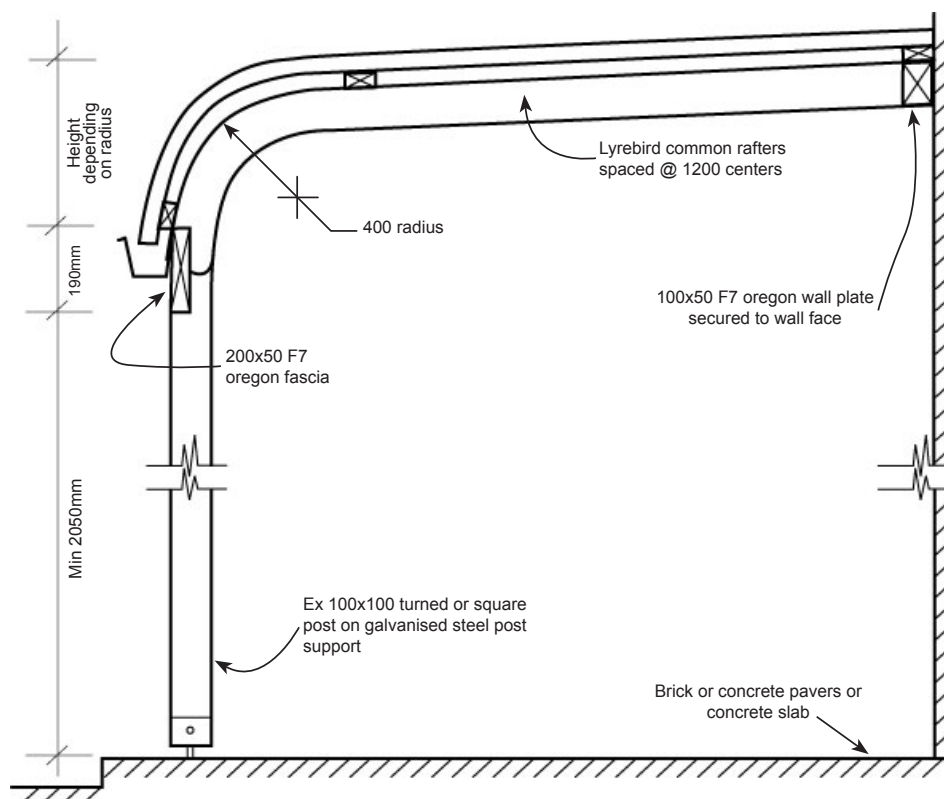
See SECTION A-A below



OPTION 1: CORRUGATED IRON ROOF CURVED TO 400 RADIUS, ON 90X45 F5 SEASONED PINE PURLINS BETWEEN RAFTERS

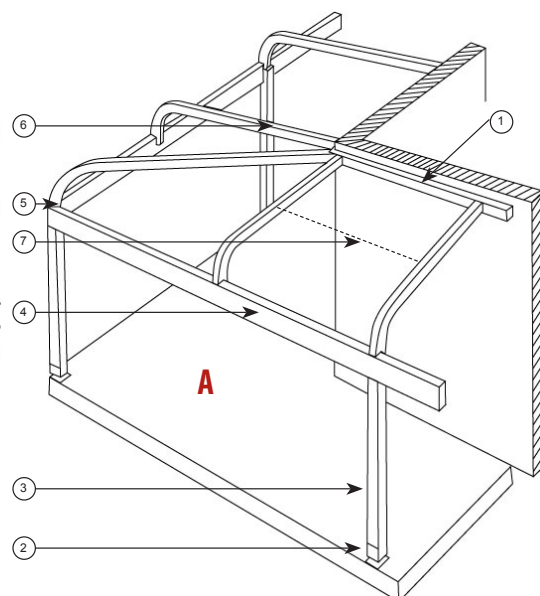


OPTION 2: CORRUGATED IRON ROOF CURVED TO 450 RADIUS, ON 50X75 F7 OREGON BATTENS OVER RAFTERS



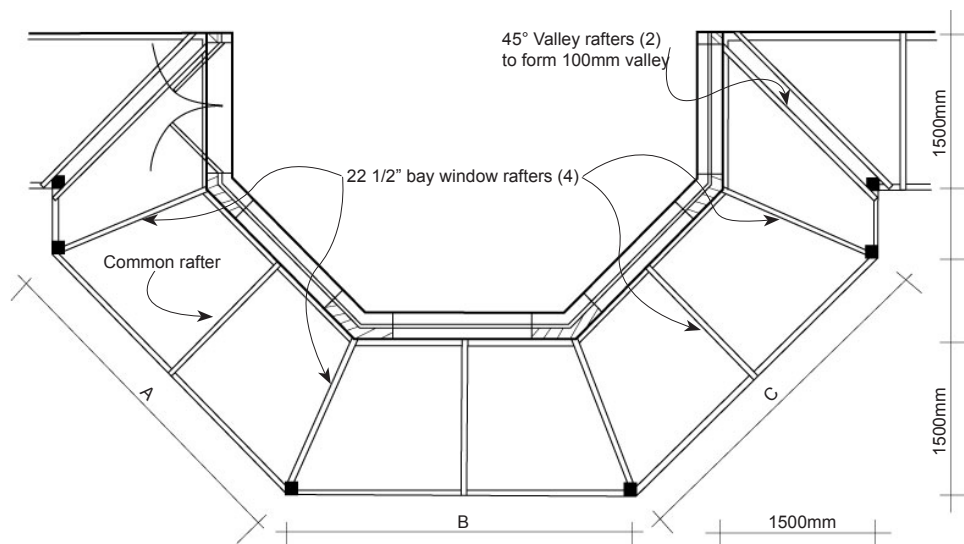
It is recommended that all timber components be at least primed before fixing

- Fix the wall plates**
Leave enough clearance under the eaves to allow for the corrugated iron - 16mm - and any flashing
- Mount the stirrups or post bases**
- Cut the posts**
Or erect "jack posts" if waiting for the posts to be supplied. See detail "C" and "D". Note minimum clearance to the floor, including allowance for stirrup height
- Erect the posts and fascia beam**
See detail "C" and "D" to cut and drill fascia. Fix fascia support bracket or half post to the corner of the house, as in detail "B"
- Cut the rafters to length**
See detail "E" how to measure the actual length of the rafters in a straight line
- Fix the rafters**
According to the rafter plan
- Fix the purlins or the battens**
See options 1 and 2 above

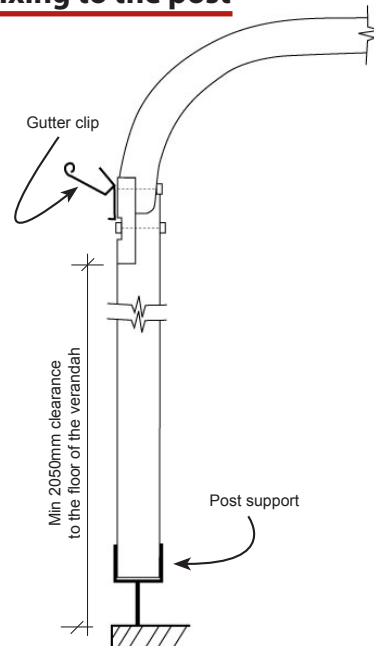


SUGGESTED RAFTER PLAN FOR 1500 WIDE BAY WINDOW VERANDAH WITH BULLNOSE ROOF, USING LYREBIRD RAFTERS

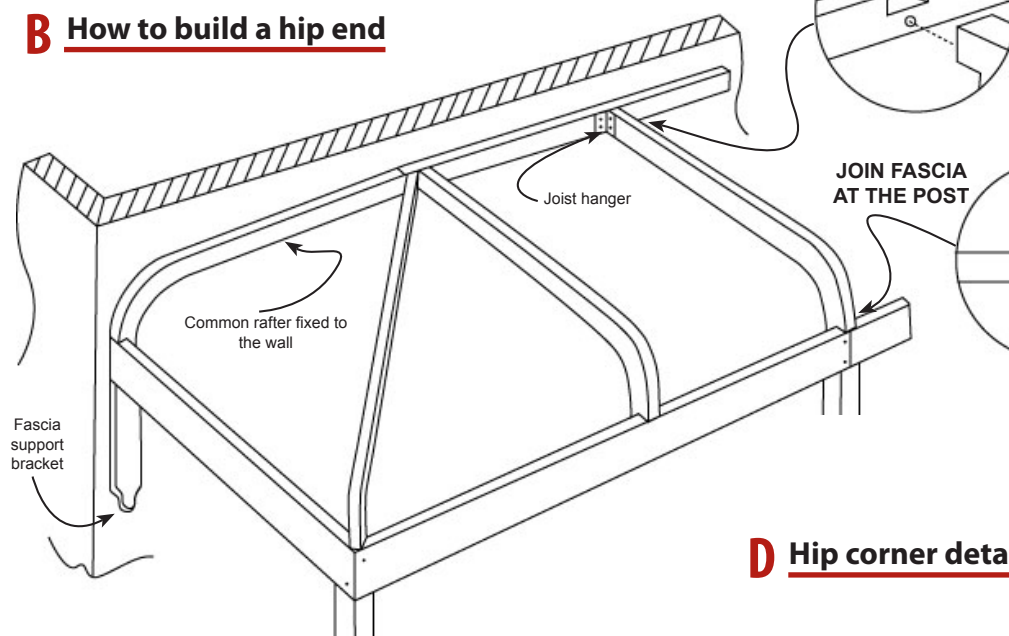
Stage 1 - Details



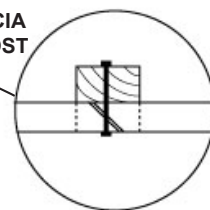
C Fixing to the post



B How to build a hip end



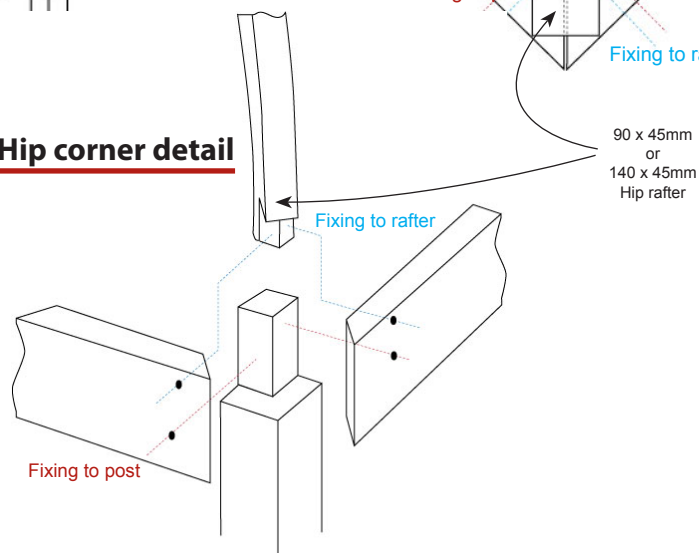
JOIN FASCIA AT THE POST



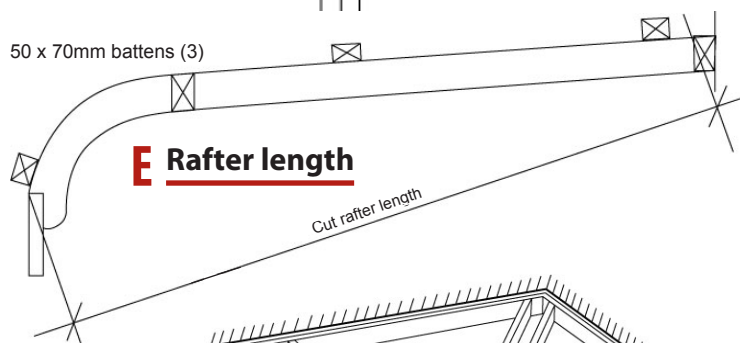
Fixing to post

Fixing to rafter

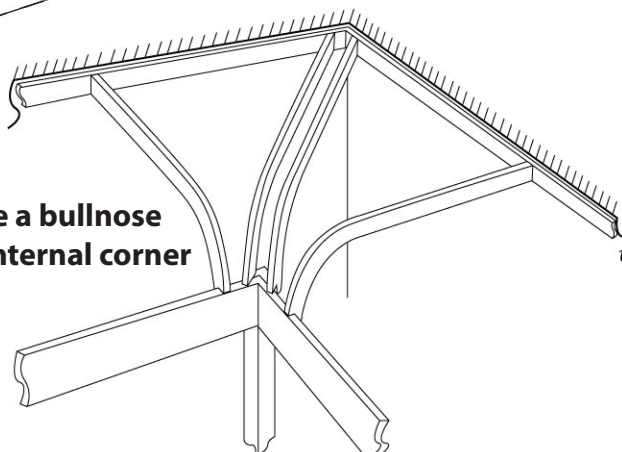
D Hip corner detail



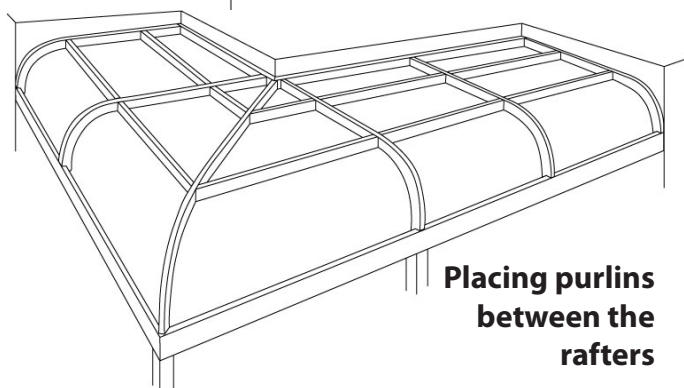
E Rafter length



How to create a bullnose valley in an internal corner



Placing purlins between the rafters



Stage 2

1. Mount the gutter clips

2. Trim the roof iron

Important: The front of the bullnose curve has a 80mm straight section. You may need to trim this end so that the iron will be clear of the gutter bottom. Trim and test one sheet first. Then, with pliers, multigrips, or a shifting spanner closed down to 2mm, grip valley 20mm in from the top end of the sheet and turn up as far as possible.

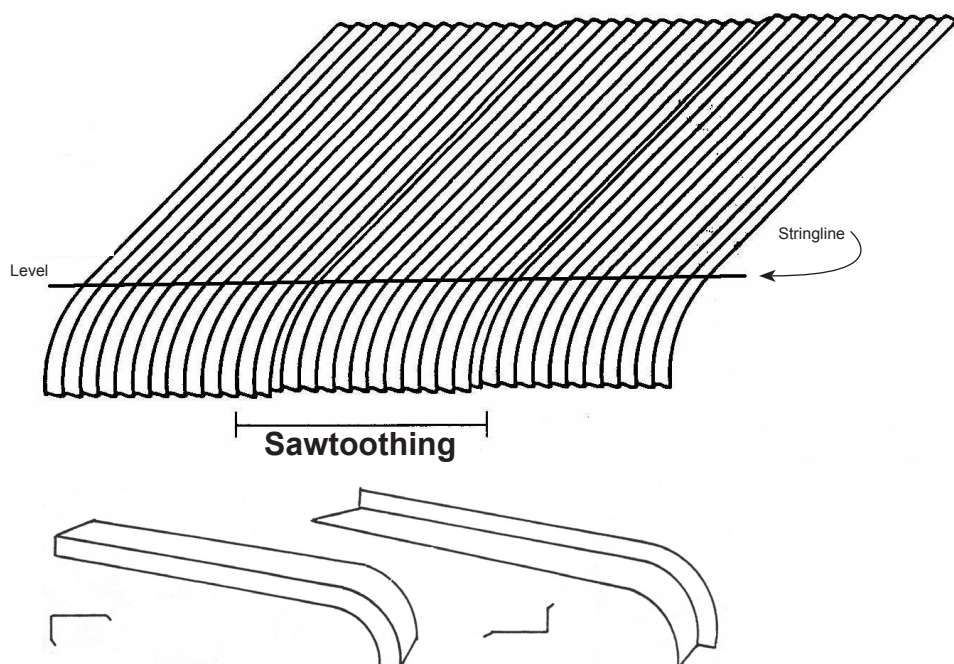
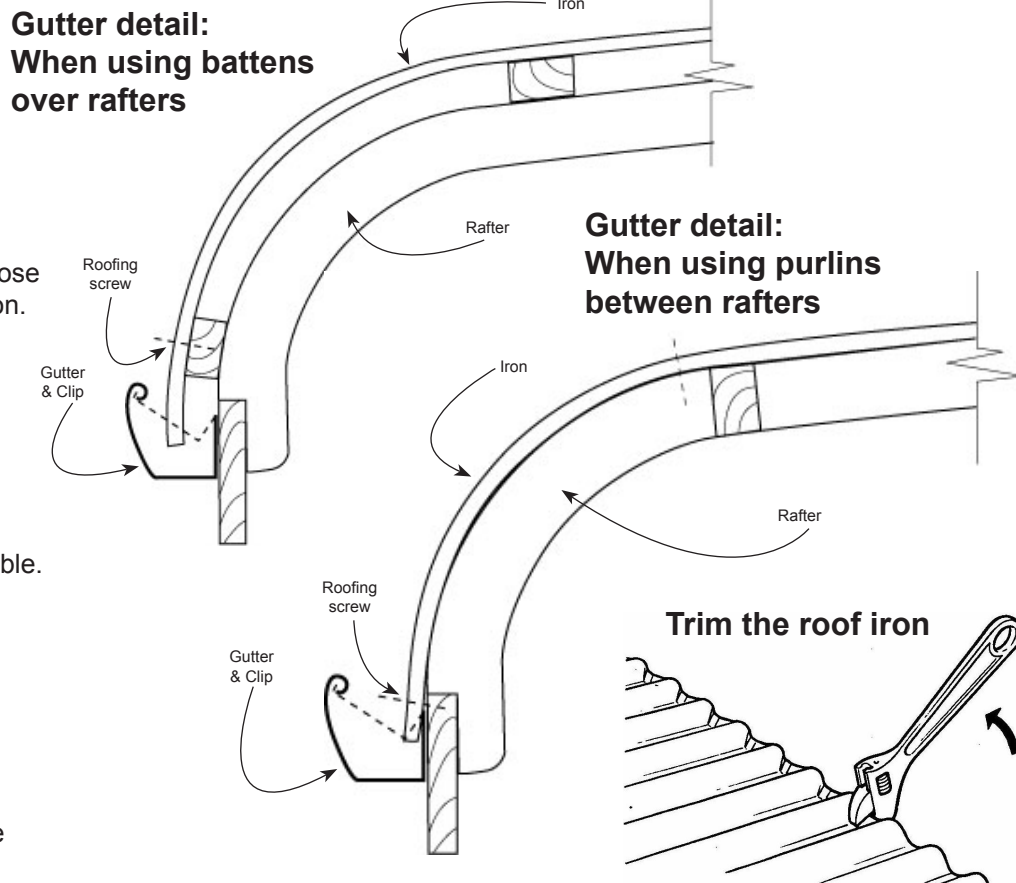
3. Mount guttering and fit downpipe pops

4. If applicable, lay the valley gutter

Lay the valley gutter between the two rafters, as shown in detail on previous page.

5. Lay the roof iron

- A carpenter's level should be used to lay the first sheet
- Always measure every 3rd or 4th sheet to check square
- Saw tothing occurs when curved steel sheets are laid (or stepped) over each other, as shown in the diagram. This is a natural occurrence and cannot be avoided. It is therefore essential to ensure that each succeeding sheet is pulled square to the wall (use a string with a hook on one end to pull the sheet into place whilst fixing it).

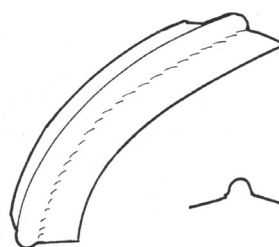


6. Finish the job professionally!

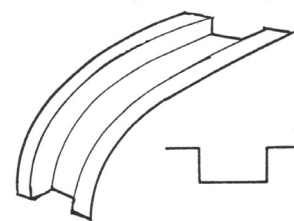
Use fibreglass Bullnose Hip Covers, made to fit the roof neatly. Curved metal valleys can be made to suit your bullnose radius. Cap off roof ends with curved Barge Capping. Install curved flashing where the roof meets the wall.

Barge cap

Side wall flashing



Fibreglass hip cover



Curved metal valley

To order your bullnose verandah, please contact Lyrebird on
Phone: (03) 9707 4300 or Email: sales@lyrebird.com.au

www.lyrebird.com.au