Development of SS, DD, R1, and P2 Angles



Development of C5 Angles





Produce the lines defining the Hip eaves or Valley ridges W = DD + D, where 0 < W < 180 degrees Construct the triangle of Hip Pitch angle R1 Rotate the hypotenuse $1 \div \cos R1$ to the Hip run Construct the line segments tan DD and tan D perpendicular to the Hip run Construct the parallel sets of line segments tan DD and tan D perpendicular to the Hip run produced to $1 \div \cos R1$ Draw the line segments (hypotenuse) for R4B angles tan R4Bm = tan DD $\div (1 \div \cos R1) = \tan DD \cos R1$ tan R4Ba = tan D $\div (1 \div \cos R1) = \tan D \cos R1$ The R4B angles are projections of the Deck angles, and are located at the Hip eaves or Valley ridges. For W = 90 degrees, the angles developed above are sufficient, as the values may be transferred from Main ridge to Adjacent eave, and Adjacent ridge to Main eave.

Development of R4P Angles

