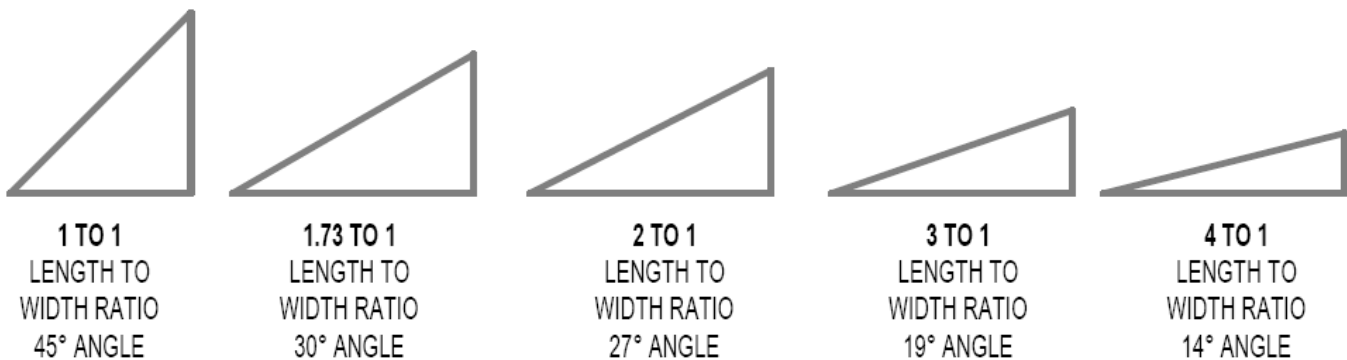
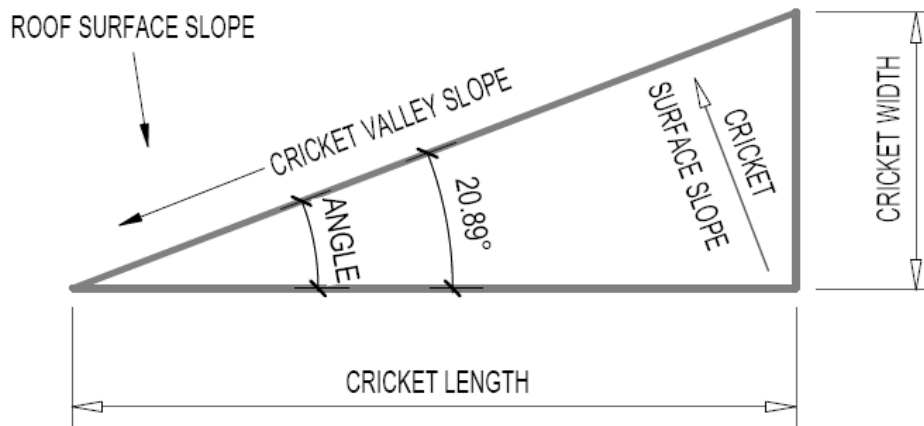


CRICKET DESIGN REQUIREMENTS



THE ABOVE CRICKET VALLEY SLOPES AND ANGLES ARE APPROXIMATE AND ARE INTENDED TO SHOW THE RELATIONSHIP BETWEEN THE LENGTH TO WIDTH RATIOS AND VALLEY SLOPES. THIS INFORMATION IS NOT A RECOMMENDATION, IT IS RATHER A FACTUAL REPRESENTATION TO HELP INDUSTRY PROFESSIONALS PROPERLY SIZE CRICKETS FOR COMMERCIAL ROOFING.

THE INFORMATION CLEARLY SHOWS THE NEED FOR WIDER CRICKETS WHEN USING LOW "ROOF SURFACE SLOPES" IN ORDER TO ACHIEVE ADEQUATE VALLEY SLOPES. PROJECTS THAT UTILIZE THE SAME CRICKET WIDTH ALL OVER THE ROOF WILL HAVE VALLEY SLOPES THAT VARY CONSIDERABLE. WHILE THIS APPROACH MAY BE EASIER TO INSTALL, IT DOES NOT ACHIEVE CONSISTENT DRAINAGE.

THE SAME LENGTH TO WIDTH RATIO SHOULD NOT BE USED FOR DIFFERENT ROOF SURFACE SLOPES WITHOUT FIRST REALIZING THE EFFECT ON VALLEY SLOPE. FOR EXAMPLE, A CRICKET WITH A LENGTH TO WIDTH RATIO OF 4 TO 1 INSTALLED ON 1/4" PER FOOT ROOF SURFACE SLOPE HAS A VALLEY SLOPE OF APPROX. 2/33" PER FOOT (1/16" PER FOOT). THE SAME CRICKET INSTALLED ON 1/8" PER FOOT ROOF SURFACE SLOPE HAS A VALLEY SLOPE OF APPROX. 1/33" PER FOOT. THIS IS WHY EACH UNIQUE ROOF SURFACE SLOPE SHOULD HAVE ITS OWN UNIQUE LENGTH TO WIDTH RATIO FOR CRICKETS.

ONE FINAL NOTE, INCREASING THE CRICKET SURFACE SLOPE HAS NO EFFECT ON THE VALLEY SLOPE.