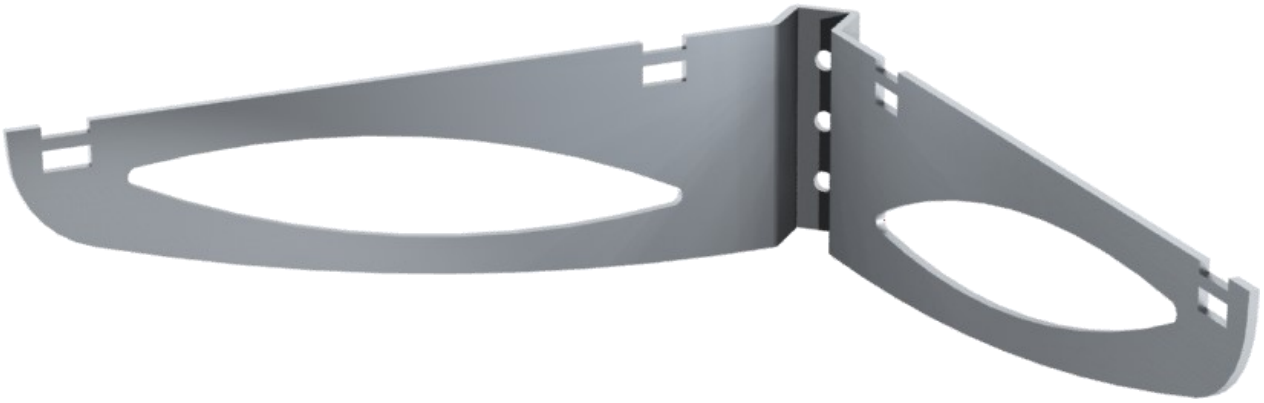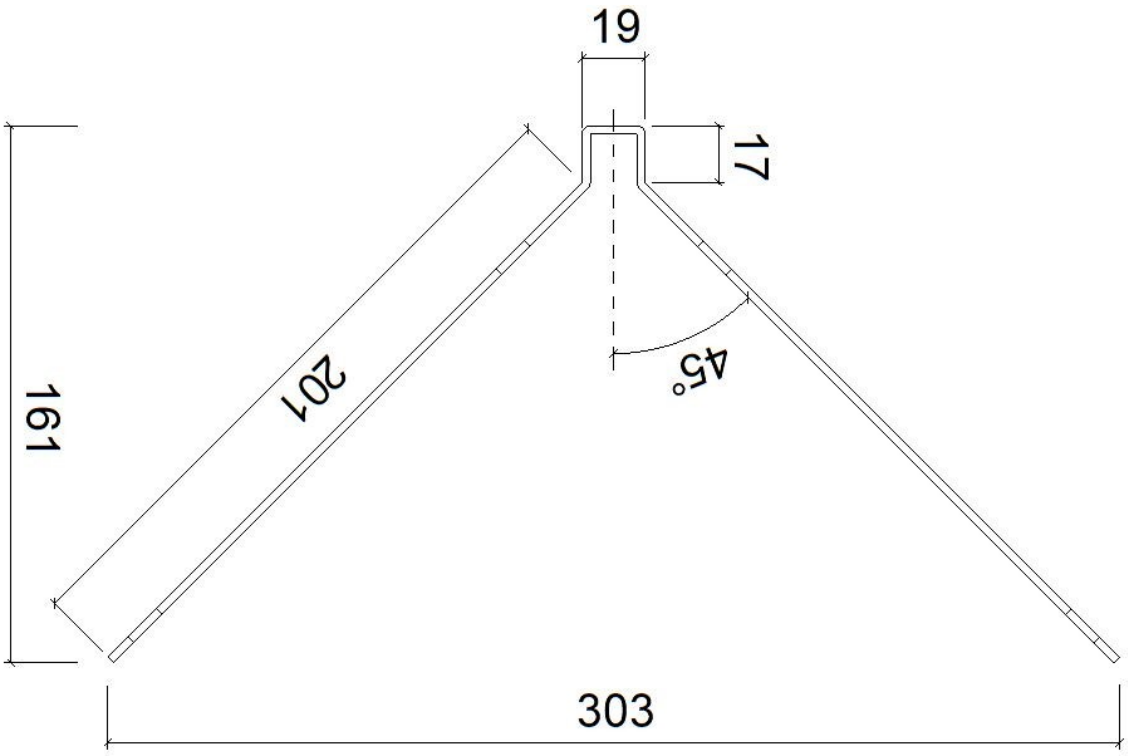24342 CONS_BiO