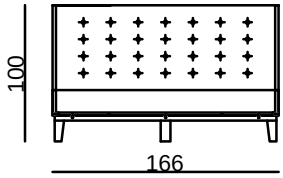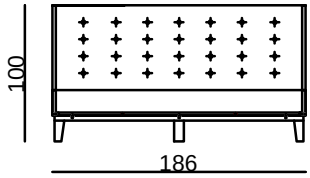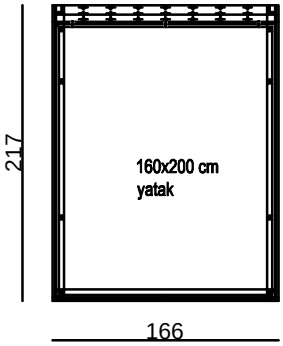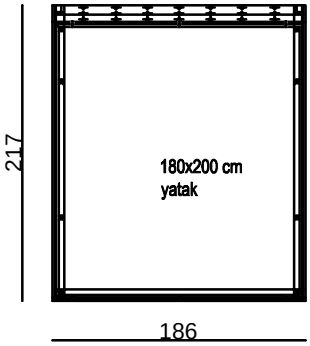KLEO KARYOLA/BED